

## **Historic, Archive Document**

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# The INLAND

SEED  
CO.



## PETUNIAS

WHITE BALCONY (White)

FLAMING VELVET (Red)

THEODOSIA (Rose)

ELK'S PRIDE (Purple)

SILVER BLUE (Blue)

ROSE OF HEAVEN (Pink)

**Regular Price \$1.10, Special Price 90c**

120 - 122  
SOUTH  
HOWARD  
STREET  
  
SPOKANE  
WASHINGTON

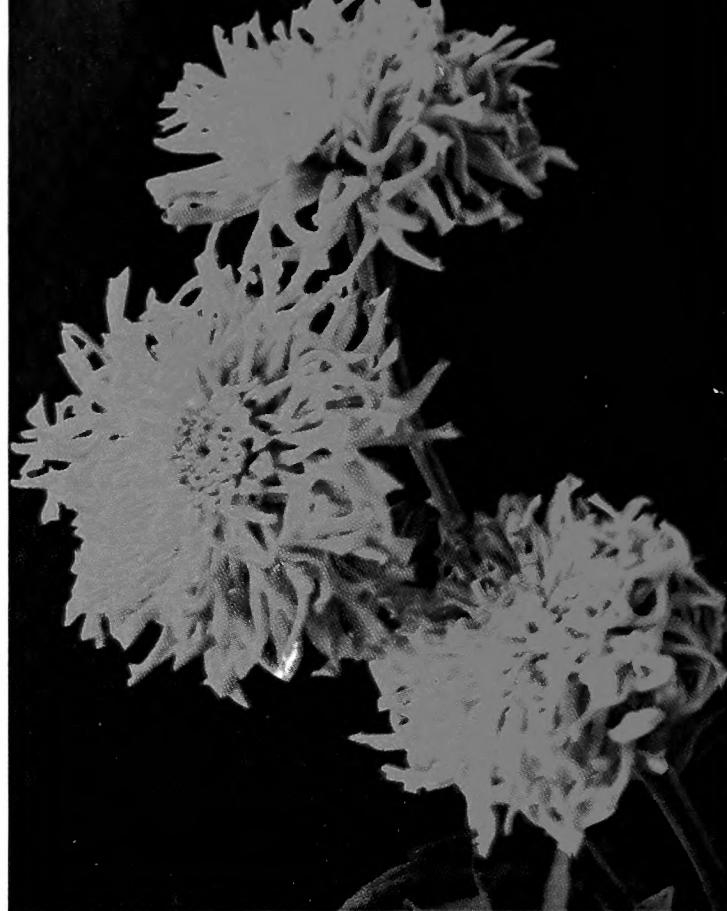
1940



### **IPOMEA, Scarlett O'Hara**

Gold Medal, All-America Selections 1939

Scarlett O'Hara is an entirely new color in the popular Morning Glories—rich dark wine red or deep rosy crimson. Flowers are about 4 inches in diameter, freely produced on fast growing vines which start blooming within 65 days after seed is sown and are very showy for covering a fence or trellis. The dark green foliage does not make a heavy growth, leaving the plants graceful in appearance. Pkt. 25c.



### **ZINNIA FANTASY, STAR DUST**

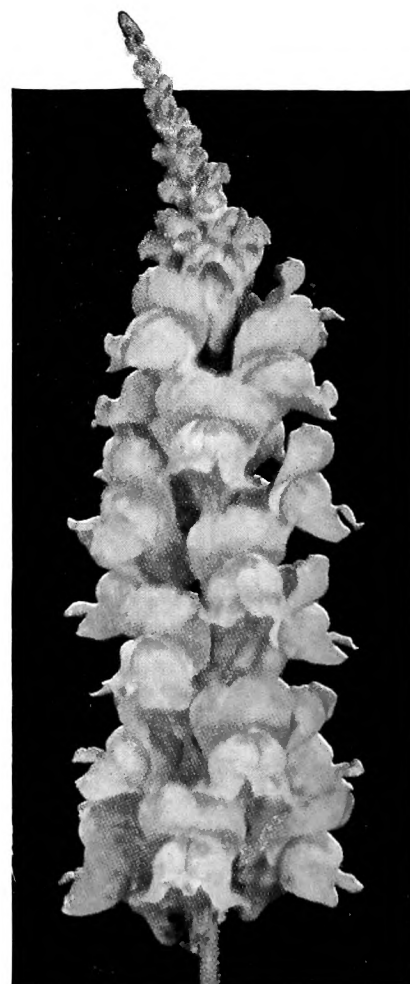
Award of Merit, All-America Selections, 1937

Star Dust, the lovely golden yellow variety in this popular type, has the characteristic informal, shaggy-petaled, medium-sized flowers, on plants 2½ to 3 ft. high. Stems of good length for cutting. Graceful in bouquets. Free blooming. Pkt. 15c.



### **RUSSELL LUPINS**

A new strain of perennial Lupins. The long, closely furnished spikes flower in a great variety of rich colors—deep yellows, oranges, reds and brilliant bi-colors never seen in Lupins before. The florets are large with flat fan-like back-standards, and unlike all other Lupins, most of the spikes retain their florets throughout the whole period of development. Awarded the Royal Horticultural Society's Gold Medal, June 1937. Pkt. 25c.



### **SNAPDRAGON, ROSALIE**

Bronze Medal, All-America Selections, 1940

This exciting color is entirely new in Antirrhinum. Rich deep rose with underlying tone of topaz or amber, giving it a richness which makes it stand out among all other colors. Plants are base branching and produce from 6 to 8 huge flowering spikes. This is an all-purpose Snapdragon. Pkt. 25c.



# VEGETABLE SEEDS

## ARTICHOKE TUBERS

Planted and cultivated the same as potatoes. Of great value for feeding stock. One lb. postpaid, 20c; at purchaser's expense, 50 lbs. \$2.00; 100 lbs. \$3.50.



## ASPARAGUS

**Mary Washington.** This asparagus, which has been selected by the United States Department of Agriculture, Washington, D. C., has proven to be nearly rust free. The shoots are thick and heavy. They are long and straight with closely folded tips. The color is rich, dark green, tinted darker at the tips. It is a heavy yielder of exceptionally fine flavor.

**Mary Washington,** postpaid. Pkt. 5c; 1 oz. 15c; 2 oz. 25c; ¼ lb. 40c; ½ lb. 75c; lb. \$1.25.

## BEANS

### BUSH, WAX PODDED

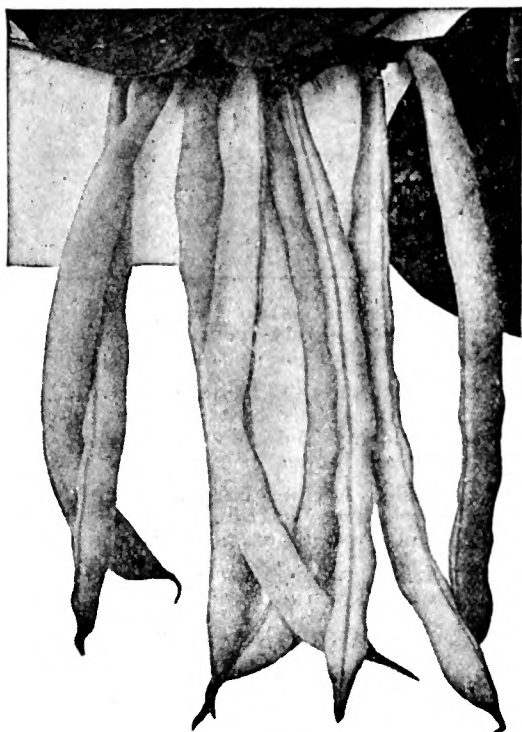
**Golden Wax Improved.** This is one of the earliest and best dwarf sorts. The plants are erect, compact, and very productive. The pods are of medium length, four and one-half to five inches, nearly straight, broad, flat golden yellow, very fleshy and waxlike.

**Black Wax, Pencil Pod.** The pods are of medium length four and one-fourth to four and one-half inches, borne well up from the ground, curved cylindrical and fleshy.

### BUSH, GREEN PODDED

**Bountiful, Early, Prolific Yielder.** Stringless, Green Flat Pods of Medium Size.

**Stringless, Green.** Very desirable dwarf green podded snap sort for the home garden and market. The plants are large, spreading and productive. The pods are medium green, five to six inches long, cylindrical, and remain crisp and tender long.



GREEN STRINGLESS

	1 lb.	5 lbs.	10 lbs.	25 lbs.	50 lbs.	100 lbs.
Bush Beans .....	\$0.25	\$1.25	\$2.25	\$5.00	\$8.50	\$15.00

Add Postage

### POLE, GREEN PODDED

**Kentucky Wonder.** Also known as Old Homestead. Pods are medium light green, long, often reaching 9 or 10 inches, curved and twisted, nearly round and very crisp when young. Seed long, oval, slightly flattened, dun colored.

**Oregon Giant.** Large, fleshy pods, 10 to 12 inches in length, stringless, light greenish yellow, splashed with red.

## YELLOW PODDED

**Kentucky Wonder.** Yellow podded, bears a large quantity of rich, golden-yellow pods from the time the plant is about half-grown until it is killed by frost in the fall.

	1 lb.	5 lbs.	10 lbs.	25 lbs.	50 lbs.	100 lbs.
Kentucky Wonder	\$0.25	\$1.25	\$2.25	\$5.00	\$8.50	\$15.00
Oregon Giant .....	.25	1.25	2.25			
Ken. W. Wax .....	.30	1.50	2.75	6.25	11.00	20.00

Add Postage

## LIMAS, BUSH

**Burpee's.** This is a little the earliest maturing of the large seeded Limas. The plants are vigorous and productive. The pods are medium green, very large, about five inches long.

## LIMAS, POLE

**Early Jersey.** This variety is one of the earliest of the pole Limas. Pods are four inches in length and contain three and four large beans each.

	1 lb.	5 lbs.	10 lbs.
All Lima Beans .....	\$0.30	\$1.50	\$2.75

Add Postage

## ORNAMENTAL

**Scarlet Runner.** Ornamental and useful. The vine is graceful, flowers are of a brilliant scarlet, and the beans are of an excellent quality, either when shelled or in a dry state. Oz. 10c; 2 oz. 15c; ¼ lb. 25c; ½ lb. 40c; 1 lb. 75c, postpaid.

## NEW GUINEA BUTTER BEAN

One of the Most Delicious of All Vegetables

The New Guinea Butter Bean grows to enormous size, one fruit often weighing 15 lbs., and from 3 to 5 feet long. The fruit should be eaten when small, while fuzzy growth is yet on. It can be cooked like squash and fried like egg plant. Pkt. 10c; oz. 35c; 2 oz. 60c; ¼ lb. \$1.00. Postpaid.

## FIELD

**Navy.** Write for prices, stating quantity wanted.

## BEETS

**Blood Turnip, Edmands.** An extra selected stock of Blood Turnip. The roots are dark red and nearly round or slightly flattened. The flesh is deep red, zoned with lighter shade.

**Egyptian, Crosby's.** The roots run uniform in size and shape, have small tops, just right for early bunching. The flesh is deep red.



DETROIT

### DETROIT DARK RED.

The tops are small and upright in growth. The roots are medium sized, globular or nearly round, very smooth and of dark blood red color. The flesh is deep vermilion red, zoned with a lighter shade of red.

**Wonder.** The earliest of any Beet in existence. It is of perfect globe shape with small tap roots. The color of the flesh is very dark red, which makes it splendid for pickling purposes. In flavor it can not be beat. It is tender, sweet and juicy, retaining its crispness.

**Swiss Chard or Sea Kale.** This variety is highly esteemed for the broad, white leaf stalks and midribs, which are cooked and served in the same manner as asparagus.

All Table Beets, postpaid. Pkt. 5c; 1 oz. 15c; 2 oz. 25c; ¼ lb. 35c; ½ lb. 50c; 1 lb. 80c; 5 lbs. \$3.50; 10 lbs. \$6.00.

## MANGEL WURTZELS

**Danish Sludstrup.** In color it is reddish-yellow. It contains the largest per cent of nutriment found in any sort. Grows well above ground.

**Giant Half Sugar.** Is very much more valuable for feeding purposes than the old sorts, it being very much richer.

**Golden Tankard (Improved).** The roots are of large diameter, tapering quickly at the bottom.

**Mammoth Long Red.** The roots grow from one-half to two-thirds above the surface and are frequently two or more feet in length by six inches in diameter.

All Mangels, postpaid. 1 oz. 10c; 2 oz. 15c; ¼ lb. 25c; ½ lb. 35c; 1 lb. 50c; 5 lbs. \$2.25; 10 lbs. \$4.00.

## BROCCOLI

**Italian Green Sprouting.** Cultivated like cabbage, it bears a succession of sprouting heads which, if kept cut, will be replaced by others for 8 or 10 weeks. Pkt. 10c; oz. 60c; 2 oz. \$1.00; ¼ lb. \$1.75.

## BRUSSELS SPROUTS

It is a delicacy much esteemed by some. Sow in seed bed middle of spring and transplant and manage as winter cabbage. Pkt. 5c; oz. 25c; 2 oz. 40c.

## CABBAGE

### FIRST EARLY



GOLDEN ACRE

**Golden Acre.** The heads are very uniform, round, firm and of superior quality. It matures nearly all at the same time.

**Early Jersey Wakefield.** The earliest and hardiest heading of extra early cabbages. Heads conical.

**Clover Leaf Copenhagen Market.** The heads average about 10 pounds, are very solid, with small core. A little later than the Early Jersey Wakefield.

### LATE

**Clover Leaf Holland or Danish Ball Head.** Short stemmed. This is one of the hardiest cabbages in cultivation, and endures both frost and drought. The plants are hardy and compact; leaves are very smooth but thick; heads of medium size, round and very solid, being the hardiest heading cabbage and of the very best quality. Matures quite late.

**Dutch, Late, Flat.** A low-growing variety; heads large, bluish green, round, solid, broad and flat on top; an excellent fall and winter variety; a good keeper.

**Drumhead Savoy.** The leaf is vigorous, with short stem, has densely crumpled leaves and when touched by frost is sweet, delicate and delicious. The head is large.

**Rock Red.** Best red sort, much used for pickling.



DANISH BALL HEAD

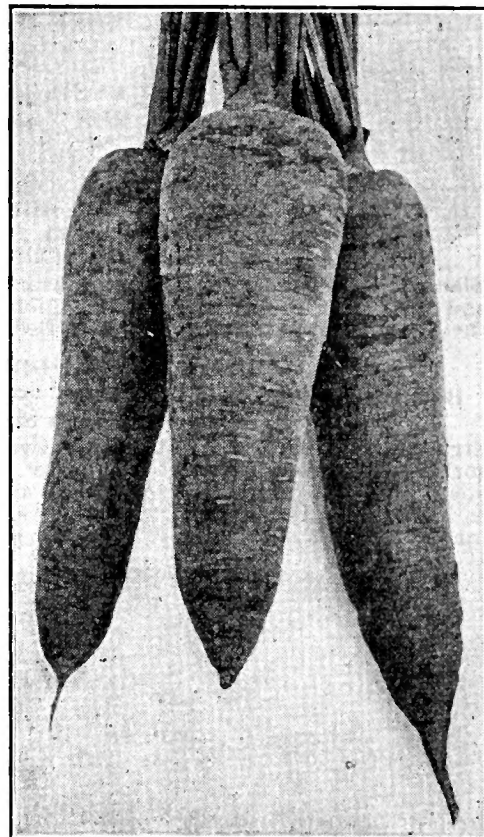
## Chinese or Celery Cabbage

The most essential requirements for successfully raising Chinese cabbage is cool weather.

**Pe-Tsai.** The leaves when young are crimped, of light green color. The plant as it matures becomes more upright. The inner leaves blanch an attractive light yellow or creamy white.

Cabbage	Pkt.	1 oz.	2 oz.	¼ lb.	½ lb.	1 lb.
E. J. Wakefield.....	\$0.05	\$0.20	\$0.35	\$0.60	\$1.00	\$1.75
Flat Dutch Late .....						
Copenhagen .....	.05	.25	.40	.70	1.25	2.00
Ball Head .....						
Savoy .....						
Rock Red .....						
Golden Acre .....	.10	.35	.60	1.00	1.75	3.00
Pe-Tsai .....						

## CARROTS—TABLE



**Chantenay.** Early, scarlet color, stump rooted, broad, thick shoulder, heavy cropper. Fine quality. In shape and appearance it takes a place between the Oxheart and the Danvers.

**Danvers Half-Long, Improved.** A first-class carrot for all soils. The root is of a rich, dark orange color and grows very smooth and handsome. Very productive, producing as much tonnage to the acre as the longer field sorts.

**Early French Forcing.** It is an excellent carrot for forcing as well as for an early supply from the garden. Small roots, 1½ inches in diameter, tender and of fine flavor.

**Nantes or Coreless.** This is frequently called and sold as coreless. Not entirely coreless, but much nearer to it than any other variety. The flesh is red and very sweet, a stump rooted type growing about six inches in length.

**Oxheart or Querande.** A thick carrot, five or six inches long and very blunt at the lower extremity. It grows more rapidly and the root attains a weight of more than a pound.

**Scarlet Horn, Early.** A very early variety. Recommended for the very early market and family garden. Texture fine.

## CARROTS—STOCK

**White Belgian.** Grows one-third out of the ground. Root pure white, green above the ground. The flesh is of deep yellow color, tender and of excellent flavor.

**Yellow Belgian.** Large root; yellow flesh; good keeper.

	Pkt.	1 oz.	2 oz.	¼ lb.	½ lb.	1 lb.	5 lb.	10 lb.
Chantenay .....	\$0.05	\$0.15	\$0.25	\$0.40	\$0.60	\$1.00	\$4.25	\$7.50
D. H. Long .....								
Oxheart .....								
F. Forcing .....	.05	.15	.30	.45	.75	1.25	5.65	10.00
Nantes .....								
S. Horn .....								
Stock .....	.05	.15	.25	.40	.60	1.00	4.25	7.50

CORN—SWEET

FIRST EARLY

**Early Minnesota.** The ears are about eight inches long, eight rowed; kernels very broad, white, sweet and tender.

**Golden Bantam.** Grows from 3½ to 4 feet in height. Ears about six inches in length. Eight rows of golden-yellow grains.

**Golden Market.** An early yellow variety. Ears running from 10 to 12 rows of medium length. Somewhat earlier than Golden Bantam.

**Golden Sunshine.** A very early yellow corn—about a week earlier than the Golden Bantam, retaining its flavor and tenderness and producing ears of the same size.

MEDIUM EARLY

**Early Evergreen.** This fine variety yields large, handsome, ten and twelve rowed ears, averaging about nine inches in length. It is very sweet, has a fine flavor and remains tender a remarkably long time.

**Giant Golden Bantam.** By careful selection, and cross breeding, all the good traits of Golden Bantam have been retained, and in addition a larger ear has been produced, making it the most popular variety of yellow sweet corn. It comes on the market about a week later than the Golden Bantam.

HYBRID SWEET CORN

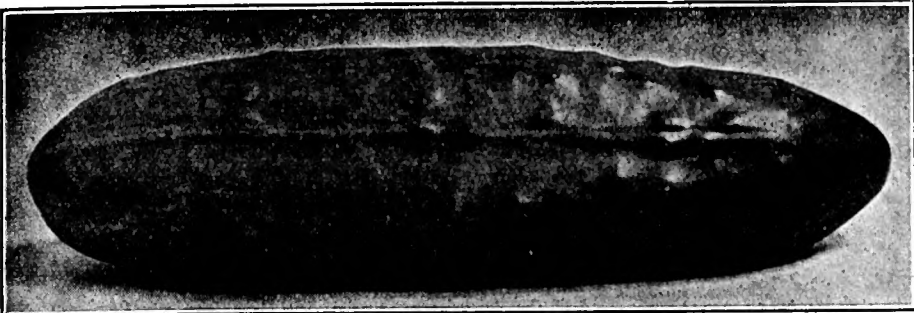
The latest development is what is known as HYBRID SWEET CORN. The most popular one is the GOLDEN CROSS BANTAM. This HYBRID is a cross between two inbreds known as Purdee No. 51 and Purdee No. 39. Ears usually run 12 rows and are about the same length as ears of Golden Bantam. It is about a week later than Golden Bantam. The chief points in its favor are the following: ITS PRODUCTIVITY; ITS RESISTANCE TO DISEASE; ITS EVEN RIPENING; ITS GOOD FLAVOR; ITS MEDIUM SIZED EARS.

Postpaid, 1 lb. 30c; 5 lbs. \$1.50; 10 lbs. \$2.75. Add Postage.

CORN—LATE

**Stowell's Evergreen.** Hardy and productive, very tender. This variety of corn is distinguished by large ears, long, deep kernels, rich, sugary flavor and long keeping qualities. Ears are about seven to eight inches long, fourteen to twenty rowed.

	1 lb.	5 lbs.	10 lbs.	25 lbs.	50 lbs.	100 lbs.
Sweet Corn .....	\$0.25	\$1.25	\$2.25	\$5.00	\$8.50	\$15.00
G. G. Bantam .....	.30	1.50	2.75	6.25	11.00	20.00
Add Postage						



LONG GREEN

CAULIFLOWER

Cauliflower will not head up good in hot, dry weather. After the heads begin to form draw the leaves over and pin or tie them together to protect the heads from the sun.

**Clover Leaf Snowball (Best Imported Strain).** This is an improved extra early strain of dwarf, compact growth. Under favorable circumstances nearly every plant will make a fine, solid head of good size.

**Danish Giant or Dry Weather (Best Imported Stock).** Large leaved, with pure white compact heads. It is truly a first-class cauliflower and is specially adapted to dry locations and to resisting the effects of drouth. Two weeks later than the Snowball.

	Postpaid				
	Pkt.	½ oz.	1 oz.	2 oz.	4 oz.
Snowball .....	\$0.10	\$1.00	\$1.50	\$2.75	\$5.00
Dryweather .....	.10	1.00	1.50	2.75	5.00

CELERY

EARLY

**White Plume.** Valuable for early market. Follage green, tinted white; stalks and follage blanch readily to snowy-white.

LATE

**Golden Self-Blanching.** Of a rich golden tint when ready for the table; of excellent quality.

**Celeriac or Turnip-Rooted.** Grown exclusively for its roots, which are turnip-shaped, very smooth and tender. The roots, used with vinegar, make an excellent salad.

**Golden Crisp or Utah.** Medium early, plants sturdy, compact and solid. Rich flavor, very free from strings. If bleached, stalks are a pure white. If not bleached, they are a solid green.

	Pkt.	1 oz.	2 oz.	¼ lb.	½ lb.	1 lb.
Celeriac .....	\$0.05	\$0.50	\$0.80	\$1.50	\$2.50	\$4.00
G. Plume .....						
G. S. Blanching.....						
G. Crisp or Utah.....	.10	.75	1.25	2.00	3.50	6.00

**Chicory—Witloof or French Endive.** This variety produces leaves with wide ribs or leaf stalks which form a cluster or head. Pkt. 10c; oz. 25c; 2 oz. 50c; ¼ lb. 90c; ½ lb. \$1.50.

CRESS

**Pepper Grass (Curled).** The leaves, when young, have a warm, pungent taste, and are used as a salad, either alone or mixed with other salad plants.

**Water.** A delicate, pungent salad plant, very agreeable alone or mixed with other salads. Entirely distinct from common cress, thriving only where its roots are submerged.

	Postpaid			
	Pkt.	1 oz.	2 oz.	¼ lb.
Pepper Grass .....	\$0.05	\$0.20	\$0.30	\$0.50
Water Cress .....	.10	.50	.90	1.50

CUCUMBERS

**Boston Pickling.** This is a very productive variety that is extensively grown for pickles. The vines are vigorous. The fruits are bright green, of medium size, very smooth and symmetrical. The flesh is crisp and tender.

**Davis Perfect.** This cucumber has an ideal shape and a beautiful dark green color. Its eating qualities are unsurpassed, both because of its fine flavor and its small number of seeds.

**Everbearing.** The fruit is of medium size and rich dark green color, averaging from four to five inches in length.

**Gherkin.** A very small oval, prickly sort, distinct from all other varieties. Use when young.

**Klondike—White Spine Type.** Used principally for long distance shipping, as the deep green color holds extremely well. The ends taper slightly, fruit smooth and symmetrical but not as long as some other long varieties. It is slightly, fruit smooth and symmetrical.

**Long Green, Improved.** The vines are very vigorous and productive. The fruit is very long, growing frequently from 12 to 15 inches, and are uniformly slender and of a beautiful dark green color.



**Longfellow.** This new and greatly improved cucumber belongs to the white spine family. Its color is exceptional, being fully equal to cucumbers grown under glass.

**Short Green, or Early Frame.** A vigorous and productive variety producing fruit of medium size and regular form; flesh crisp and tender; excellent for the table or pickling.

**White Spine, Improved.** One of the best sorts for trade use, fruiting early and abundantly; fruit uniformly straight and handsome; light green, with a few white spines.

Boston Plk'g  
Davis Perfect  
Everbearing  
Klondike  
Long Green  
Short Green  
White Spine

	Pkt.	1 oz.	2 oz.	¼ lb.	½ lb.	1 lb.	5 lbs.	10 lbs.
	\$0.05	\$0.15	\$0.25	\$0.40	\$0.70	\$1.25	\$5.65	\$10.00

Gherkin.....	.20	.30	.50	.85	1.50
Longfellow.....	.20	.30	.50	.85	1.50

## EGG PLANT

**Black Beauty.** The fruit is broad and thick, of most attractive form. Ready for market early.

**Postpaid, pkt. 5c; 1 oz. 50c; 2 oz. 80c; ¼ lb. \$1.40; ½ lb. \$2.40; 1 lb. \$4.25.**

## GARLIC

Has a bulbous root, with a strong, penetrating odor and flavor. Belongs to the onion family and cultivated much in the same manner. **Lb. 50c. postpaid.**

## ENDIVE

**Green Curled.** A fine market sort; tender, green leaves; blanch white; hardy.

**Pkt. 5c; 1 oz. 15c; 2 oz. 25c; ¼ lb. 40c; ½ lb. 75c; 1 lb. \$1.25.**

## KALE OR BORECOLE

**Dwarf Green Curled Scotch.** Plant low and compact, with large, bright, deep green leaves, curled, cut and crimped.

**Tall Green Curled Scotch.** Produces an abundance of dark green, curled leaves.

**Thousand Headed or Cowkale.** The plant attains a height of from 3 to 4 feet, thus producing a great amount of feed.

**Postpaid. Pkt. 5c; 1 oz. 15c; 2 oz. 25c; ¼ lb. 40c; ½ lb. 60c; 1 lb. \$1.00.**

## KOHL-RABI

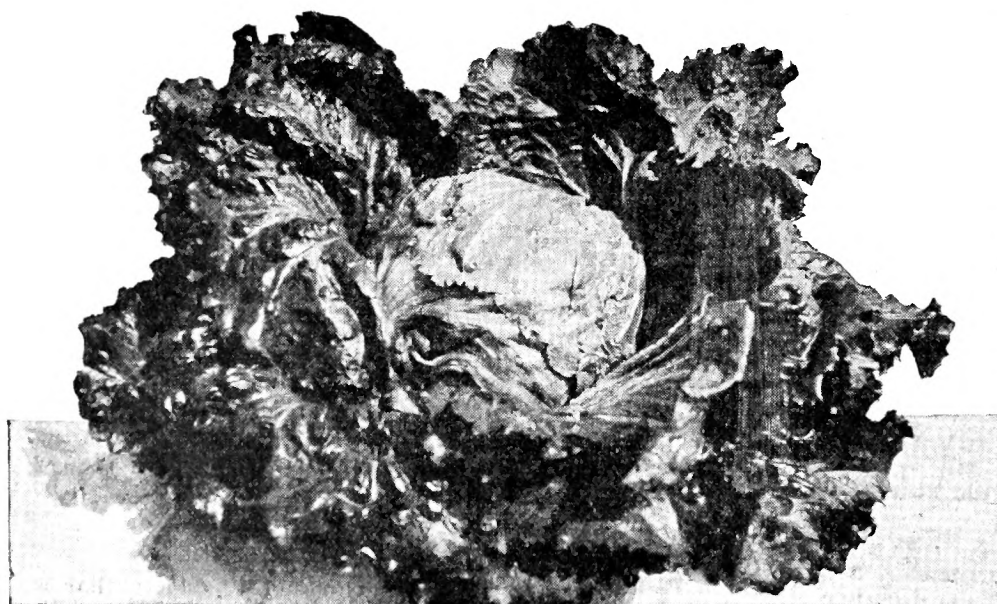
The Kohl-Rabi is a vegetable intermediate between the cabbage and turnip, and combines the flavor of each.

**Early White Vienna.** Is the earliest and best for forcing; is very tender, excellent for table use.

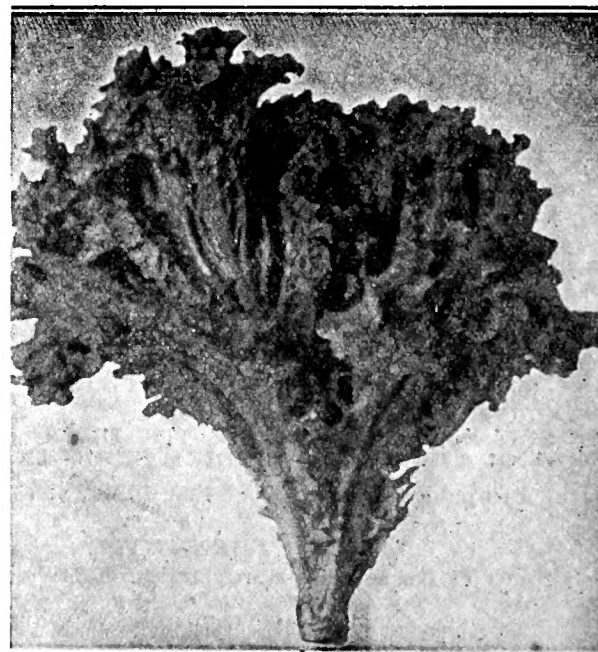
**Postpaid. Pkt. 5c; 1 oz. 25c; 2 oz. 40c; ¼ lb. 60c; ½ lb. \$1.00; 1 lb. \$1.75.**

## LEEK

**Large London, or Scotch Flag.** This leek is generally considered more delicate than the onion for soup, etc. **Pkt. 5c; oz. 25c; 2 oz. 40c; ¼ lb. 60c; ½ lb. \$1.00; 1 lb. \$1.75.**



NEW YORK No. 12



GRAND RAPIDS

## LETTUCE

### Loosehead or Cutting

**Black Seeded Simpson.** Used for growing under glass or outdoors. The leaves are ruffled and blistered and even the large outer ones are very tender.

**Prize Head (Seed White).** It is too tender, however, to stand shipping. The leaves are finely curled and crumpled, bright green tinged with brownish red. Very crisp and tender.

**Simpson's Early Curled (Seed White).** A very extensively used early loose leaved variety. The leaves are light green in color, slightly frilled and blistered, crisp and tender.

### CHICKEN LETTUCE

This lettuce furnishes a great amount of green feed and is therefore highly recommended for chicken or rabbit feed. It does not form heads, but produces stalks three to four feet.

### FORCING

**Grand Rapids (Seed Black).** As a lettuce for greenhouse forcing this variety undoubtedly stands at the head of the list. This plant is upright and forms a loose head.

### HEADING

**Hanson.** One of the most desirable later summer lettuces. The plant is compact and forms a large, cabbage-like head which remains in condition longer than most heading sorts.

**New York or Wonderful.** The mammoth heads are solid, heavy, beautifully blanched to a creamy white with bright green outer leaves. The quality is unsurpassed, being tender, crisp and sweet. The New York is a hardy, rapid grower, deep rooted and resistant to drought.

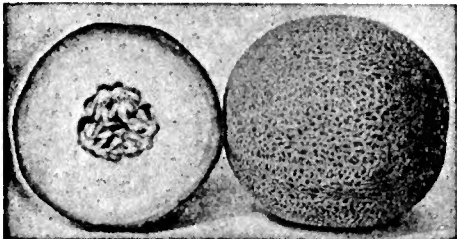
**Lettuce, postpaid. Pkt. 5c; 1 oz. 15c; 2 oz. 25c; ¼ lb. 45c; ½ lb. 75c; 1 lb. \$1.25; 5 lbs. \$5.00; 10 lbs. \$9.00.**

**New York, oz. 15c; 2 oz. 30c; ¼ lb. 50c; ½ lb. 85c; 1 lb. \$1.50; 5 lbs. \$6.50; 10 lbs. \$11.00.**

MELONS, MUSK

SALMON-FLESHED VARIETIES

**Burrell Gem.** Burrell's Gem has a tough, thin rind, well arched ribs, covered with a closely interlaced gray netting; shape elongated, being about 4½ inches in diameter.



HALE'S BEST

**Hale's Best Improved.** Extra early salmon tinted of remarkable flavor. The seed cavity is small and the attractive salmon tinted flesh is firm. Melons are oblong, well netted and very attractive.



HEARTS OF GOLD

**Hearts of Gold.** This is an orange-fleshed variety of medium size, ideal as a shipping melon and a desirable mid-season sort. The rind is thin, yet very firm. The flesh is very thick, firm, of fine texture and delicious flavor.

**Honey Dew.** Average size six inches in diameter and seven to eight inches in length. A creamy yellow when ripe. The flesh is very thick, and very fine grained.

**Large Yellow.** The fruit is large, oblong, slightly ribbed and coarsely netted. The flesh is light yellowish-green.

**Pollock 10-25.** A popular early melon of the solid netted type, very small seed cavity with thick, luscious flesh.

Pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 35c; ½ lb. 60c; 1 lb. \$1.00; 5 lbs. \$4.50; 10 lbs. \$8.00.

GREEN-FLESHED VARIETIES

**Rocky Ford or Netted Gem.** It is of the Netted Gem type, oval in shape, averaging from 4½ to 5 inches in length, of a delicious flavor, very fine and smooth grained flesh.

**Green-Fleshed Muskmelons, postpaid, pkt. 5c; 1 oz. 15c; 2 oz. 25c; ¼ lb. 35c; ½ lb. 60c; 1 lb. \$1.00; 5 lbs. \$4.50; 10 lbs. \$8.00.**

CASABAS—WHITE-FLESHED

**Golden Beauty Casabas.** The fruits are nearly globular, bright yellow with golden tint, with wrinkled skin, 6 to 8 inches in diameter. Postpaid, pkt. 5c; 1 oz. 20c; 2 oz. 30c.

MELONS, WATER

**Cuban Queen.** A very fine variety, growing to a great size; flesh bright red, solid and sweet.

**Ice Cream (Black Seeded).** A little later. Oval in shape, light in color, with a very faint stripe, seeds small and black, flesh bright red. It is crisp and delicious.



ICE CREAM

**Irish Grey.** A distinct and very valuable melon; wonderfully productive; long, thick, uniform.

**Kleckley's Sweet, or Monte Cristo (White Seeded).** This is one of the best flavored melons in cultivation, and of a shape and color that is extremely desirable. The rind is very dark green, very thin; flesh deep scarlet; fine, and of delicious quality.



KLECKLEY'S SWEET

**Tom Watson.** A large, long melon. The vines are vigorous and productive. The flesh is rich red, sweet and tender.

**Klondike Black Seeded.** This melon has become very popular on account of the attractive, bright red interior color, combined with high quality. Stands shipping well.

**Klondike Striped.** Same size and same high quality as Klondike Black Seeded. Fruits striped dark and light green.

**Citron.** For preserving; grows uniformly round and smooth; striped and marbled with light green; flesh white and solid. Pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 45c; ½ lb. 75c; 1 lb. \$1.25.

	Pkt.	1 oz.	2 oz.	¼ lb.	½ lb.	1 lb.
Irish Grey .....	.05	.10	.15	.25	.40	.75
Tom Watson .....	.05	.10	.15	.25	.40	.75
Ice Cream (King and Queen) .....	.05	.15	.25	.40	.60	1.00
Cuban Queen .....	.05	.15	.25	.40	.60	1.00
Kleckley's Sweet .....	.05	.15	.25	.40	.60	1.00
Both Klondikes .....	.05	.15	.25	.40	.60	1.00
						1 lb. 5 lbs. 10 lbs.
Watermelons selling for.....						\$0.75 \$3.50 \$6.50
						1.00 4.50 8.00

MUSHROOM SPAWN

With intelligent care and good spawn, mushrooms can be made to pay handsomely. They can be successfully grown in a dry cellar or under the benches of a greenhouse, where the temperature can be kept from 50 to 60 degrees.

**Lambert's Pure Culture.** It comes in bricks, weighing about 20 ounces. These are broken up into pieces the size of a walnut and put into the bed one foot apart each way.

Brick, 45c; 5 bricks, \$2.00, postpaid.

Leaflet on Mushroom culture sent with order if requested.



MUSTARD

Mustard is used alone as "greens" or with cress as salad. **Southern Giant Curled.** The leaves are large, light green with tinge of yellow, much crimped and frilled at edges. The plant is upright or slightly spreading in growth. Pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 35c; ½ lb. 50c; 1 lb. 85c.

OKRA OR GUMBO

The long, tender pods of Okra are very delicious when sliced and cooked in soups. **Dwarf Green.** An early dwarf prolific variety with thick green pods. Pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 40c; ½ lb. 60c;

## ONIONS

## BROWN

**Australian Brown.** Globe shaped. Matures early and a most excellent keeper. Brownish color.

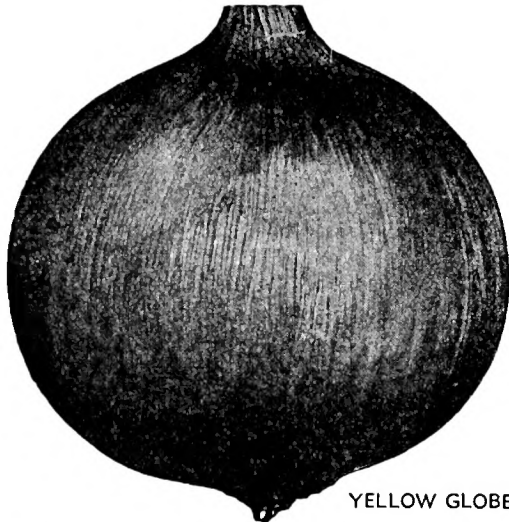
## RED

**Southport Red Globe.** This most excellent red variety produces bulbs of medium to large size, ideally globe shaped, with very smooth, glossy surface, very small neck.

## YELLOW

**Bermuda Imported.** The most widely grown of this variety. Light straw-yellow skin and pure white flesh.

**Danvers—Yellow Flat.** The leading large yellow kind, round, slightly flattened, flesh fine-grained, rather mild, very rich and sweet; one of the best keepers and shippers.



YELLOW GLOBE DANVERS

**Danvers—Yellow Globe.** The shape is almost globe form and the bulbs are quite large, with thin necks. The skin is a fine brown orange yellow.

**Sweet Spanish.** A very large globe-shaped light yellow onion with small top, and an exceptionally fine shipper. This onion combines flavor and mildness with good keeping qualities.

## WHITE

**Barletta or White Queen.** Used mostly for pickling. About 1 1/4 inches in diameter when fully grown. Uniform in size.

**Clover Leaf Bunching.** Do not make the mistake of thinking that all varieties of onions are equally good for bunching. White varieties are always the best.

**Southport Globe.** Its mild, delicious flavor and exceptionally attractive appearance have won great prominence. It is a most beautiful onion. Flesh fine and very white.

**Sweet Spanish.** Similar in size and shape to the Riverside Sweet Spanish, but pure white. Very handsome and mild.

	Pkt.	1 oz.	2 oz.	1/4 lb.	1/2 lb.	1 lb.
A. Brown						
Y. Danver						
Y. G. Danver						
S. S. Yellow						
S. S. White						
S. W. Globe						
S. R. Globe						
Bunching						
Barletta						
Bermuda						
Onions selling for				1 lb.	5 lbs.	10 lbs.
				\$2.00	\$8.75	\$15.00
				2.50	11.25	20.00
				3.00	13.75	25.00

## ONION SETS

**Yellow—Lb.** 20c, postpaid; 10 lbs. \$1.50. For large quantities, write for prices, stating quantity wanted.

## ONION PLANTS

Matured onions can be secured from the plants much sooner than from seed. It is recommended to plant the rows 16 inches apart and the plants 3 to 4 inches apart in the rows. If planted in this manner it will take about 100,000 to the acre. Do not plant too deep. Plants are put up in bundles of about 100 and 60 bundles to a crate. Count not guaranteed.

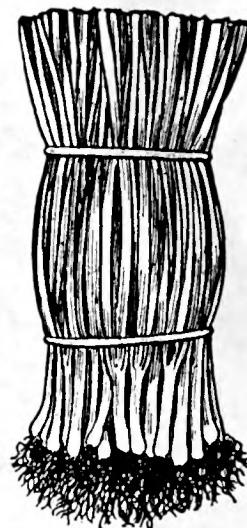
Not less than two bundles sold.

2 bundles	\$0.45
3 bundles	.60
6 bundles	1.00
10 bundles	1.50

## Prepaid

Crate 60 bundles	5.50
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Crate weighs about 30 lbs.  
Quotations not guaranteed.  
Add postage to crate price.

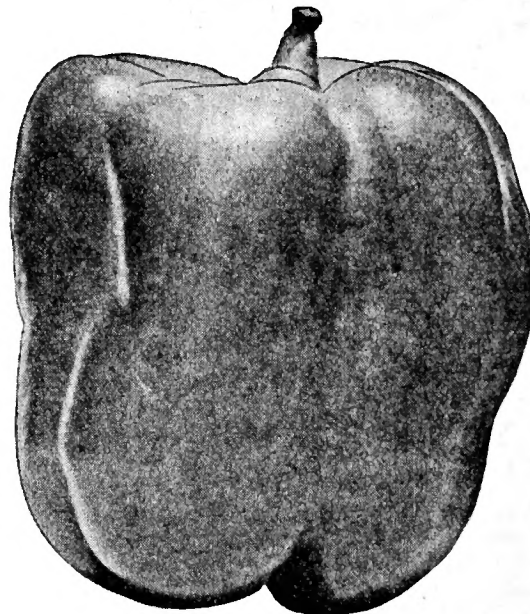


## PARSLEY

Very useful for flavoring soups, meats and garnishment. The green leaves are used for flavoring.

**Extra Double Curled.** A compact grower, finely cut and much curled variety of bright green color. Pkt. 5c; oz. 15c; 2 oz. 25c; 1/4 lb. 35c; 1/2 lb. 60c; 1 lb. \$1.00.

## PEPPERS



**California Wonder.** Vigorous growing plants bear a heavy yield of handsome blocky fruits which reach a size of 5 inches in length and 4 inches across. The thickness of flesh alone, which is often 3/8 of an inch, places it above all other peppers.

**Large Bell or Bull Nose.** The plants are vigorous, about 2 feet high, compact and very productive. The fruits are large, growing from 3 to 4 inches in length.

**Long Red Cayenne.** Brilliant coral-red pods, 3 or 4 inches long, and a prolific bearer; very pungent and used very largely with pickles when green.

**Pimento.** A thick fleshed, heart-shaped, of mild flavor. The fruit is long and slender and very sweet.

**Ruby King.** Very large and attractive. The plants are about 2 1/2 feet high, vigorous, compact and productive. The fruits are often 4 to 4 1/2 inches long.

	Pkt.	1 oz.	2 oz.	4 oz.
Bull Nose	\$0.05	\$0.40	\$0.70	\$1.25
California Wonder	.10	.50	1.00	1.75
Long Red Cayenne	.10	.50	1.00	1.75
Pimento	.10	.40	.70	1.25
Ruby King	.05	.40	.70	1.25

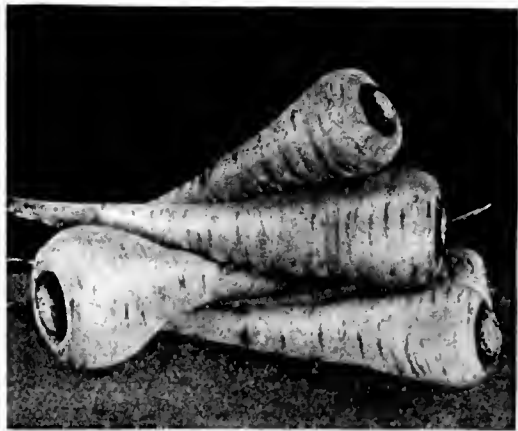
## CALIFORNIA WONDER SPECIAL

This special strain is grown by a grower specializing in this and some few varieties of tomatoes. Well worth a trial. Pkt. 10c; oz. 75c; 2 oz. \$1.25; 1/4 lb. \$2.25.

*Washington citizens are required to add 2% to their remittance to cover sales tax.*



PARSNIPS

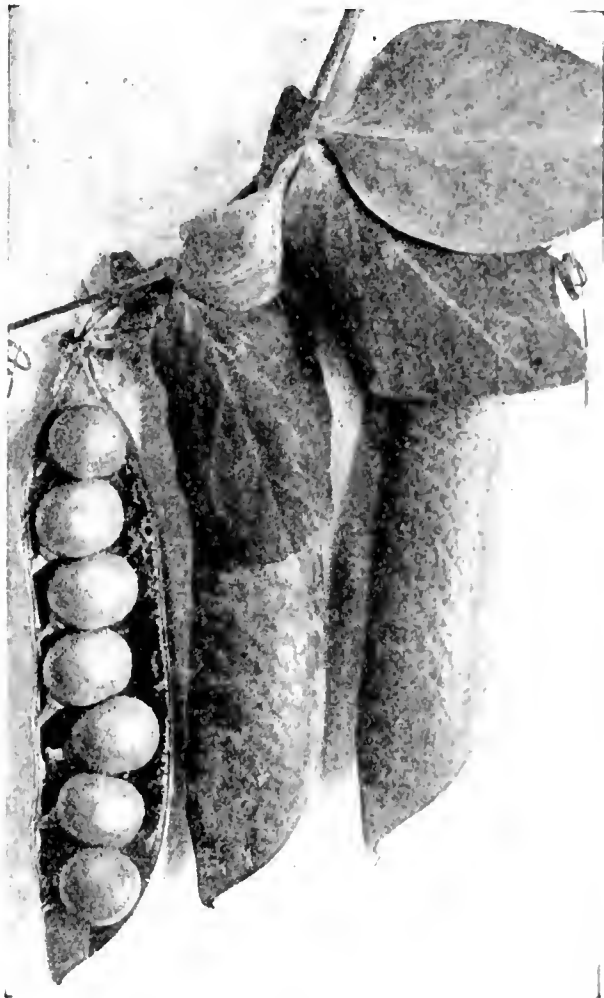


**Improved Guernsey (Improved Half-Long).** It is a very heavy cropper. The roots are very smooth, the flesh is finely grained and of most excellent quality.

**Long Smooth or Hollow Crown (Abbott's Improved Long Sugar or Long White Dutch Parsnip).** A great cropper; tender, sugary and considered the best for general cultivation.

**Both Parsnips, postpaid.** Pkt. 5c; 1 oz. 15c; 2 oz. 20c; ¼ lb. 30c; ½ lb. 50c; 1 lb. 85c; 5 lbs. \$3.50; 10 lbs. \$6.00.

PEAS, GARDEN



EXTRA EARLY DWARF

**Alaska or Earliest of All.** A smooth pea which in evenness of growth of vine and early maturity of pods is unequalled by any other pea. Vines two to two and one-half feet.

**American Wonder Improved.** One of the best of the wrinkled sorts. Has stout, branching vines about 18 to 24 inches high, and covered with well-filled pods, containing sweet, tender and well-flavored peas.

**Blue Bantam.** Dwarf, vigorous vines average 24 inches in height and carry enormous crops of large, deep bluish-green pods. The pods measure four to four and one-half inches long and contain eight to ten large, deep bluish peas of most luscious flavor.

**Little Marvel.** Height 18 to 24 inches. The vines are sturdy, and heavily set with straight, deep green pods, square ended at the bottom and nearly three inches in length.

SECOND EARLY DWARF

**Gradus or Prosperity.** The vine grows about 30 inches. The pods are of a light green color and measure 4 inches or more.

**Telephone.** Produces handsome long pods. Immensely productive, of the finest quality and excellent sugary flavor; vines very strong, growing from 18 to 24 inches high.

LATE DWARF

**Stratagem Improved or Potlatch.** The pods are of immense size filled with large, dark green, wrinkled peas of the finest quality; vine of medium height.

TALL

**Telephone.** The vines grow from 4 to 5 feet and are strong and vigorous, producing large pods of about 4 inches in length and well filled with large peas of most luscious flavor.

	1 lb.	5 lbs.	10 lbs.	25 lbs.	50 lbs.	100 lbs.
All varieties	\$0.25	\$1.25	\$2.25	\$5.00	\$8.50	\$15.00

Add Postage

PEANUTS, JUMBO

The peanut thrives and produces best on a light, sandy, fertile soil, with a good clay subsoil. It possesses a long tap-root which extends deep into the earth. Lb. 50c; postpaid.

PUMPKINS

**Connecticut Field.** A productive, large, orange-colored pumpkin, usually grown for stock, but it makes good pies.

**Sugar.** This variety is small, but of most excellent quality for pies. Fruits deep orange, 8 to 10 inches in diameter, round or somewhat flattened and slightly ribbed. Flesh deep yellow.

**Connecticut Field and Sugar.** Postpaid, pkt. 5c; 1 oz. 15c; 2 oz. 25c; ¼ lb. 35c; ½ lb. 50c; 1 lb. 90c; 5 lbs. \$4.00; 10 lbs. \$7.00.

**Mammoth Prize.** This colossal pumpkin is almost a globe in shape. Skin a rich golden yellow, flesh firm, fine grained and yellow, sweet flavored, very thick and of excellent quality.

**Mammoth Prize.** Postpaid, pkt. 5c; 1 oz. 15c; 2 oz. 25c; ¼ lb. 40c; ½ lb. 60c; 1 lb. \$1.00; 5 lbs. \$4.50; 10 lbs. \$8.00.

RADISHES

EARLY TURNIP ROOTED

**Crimson Giant.** A very early radish, double the size of any of the other early turnip-shaped type. Does not get hollow and pithy. The flesh is a sparkling white, solid and crisp.

**Scarlet Globe.** Similar in form to the Scarlet Turnip-Rooted, but much darker in color; flesh white, very crisp and tender, top small, well adapted for growing in frames.



**Scarlet Turnip.** A small, round, red turnip-shaped radish, with small top, of quick growth; very early; crisp and tender.

**Scarlet, White Tipped.** The favorite variety for outdoor cultivation; medium size, uniform shape; bright scarlet, with white tip, which makes it most attractive. Grows quickly; flesh white, crisp and of the best quality.

SCARLET WHITE TIPPED

MEDIUM EARLY, OLIVE SHAPED

**French Breakfast, or Half-Long White Tipped.** Medium size, of quick growth, crisp and tender; terminates more abruptly than the Half-Long Scarlet, lower end of tap root white.

**RADISHES—Continued****LATE LONG**

**Charter, Improved.** Roots long, attaining a large size. It remains crisp and tender until fully grown. Color, scarlet above, shading into white at the tip.

**Iceberg, White.** Roots long and slender, pure white, very attractive. Crisp and tender both when young and until it attains a large size.

**Long Scarlet, Red.** From 6 to 8 inches long, standing nearly half above the ground; bright scarlet, smooth, crisp, tender and mild.

**WINTER**

**Black Spanish, Long.** Very hardy and good for winter use. Will keep good all winter. The roots, which present a rusty, black appearance, are large and firm.

**California Mammoth, or White China.** Very large and cylindrical, terminating abruptly with little tap-root; mild and tender, and keep well all winter.

**All Radishes, postpaid, pkt. 5c; 1 oz. 10c; 2 oz. 20c; ¼ lb. 25c; ½ lb. 40c; 1 lb. 75c; 5 lbs. \$3.00; 10 lbs. \$5.00.**

**SQUASH****SUMMER**

**Bush Scallop, White.** This is the well known, very early, somewhat flattened scalloped bush squash. The color is creamy white with comparatively smooth surface.

**Cocozelle.** Also known as Italian Vegetable Marrow. The oblong fruits measure from 12 to 16 inches in length. Color dark green marbled with yellow and dark green stripes.

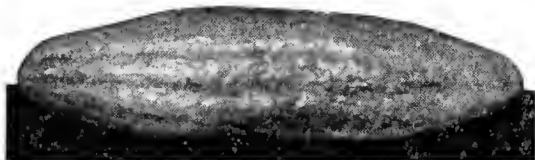
**Straightneck Giant Yellow.** This is bred from the yellow crookneck and retains the warty, creamy, golden skin and fine quality of the parent stock, but is a great improvement over the old type. Plants are bushy and productive.

**Summer Squash, postpaid, pkt. 5c; 1 oz. 15c; 2 oz. 25c; ¼ lb. 35c; ½ lb. 60c; 1 lb. \$1.00; 5 lbs. \$4.25; 10 lbs. \$7.50.**

**WINTER**

**Banana.** Grows from 1 to 2 feet in length. Flesh firm and solid, of beautiful orange-yellow, and excellent quality. Rind or shell smooth and grayish-green color.

BANANA



**Chili Mammoth.** Attains an enormous size, often reaching a weight of 200 pounds. Especially desirable for stock feeding.

**Delicious.** The fruit is moderately hard, usually dark green, but sometimes lighter in color and mottled. The flesh is thick, very fine grained and bright yellow in color.



Warty Hubbard

**Hubbard, Chicago Warty.** The fruit is large, heavy and warty, with a very hard shell. The skin is uniformly dark bronze green. The flesh is bright orange-yellow, fine grained, thick, dry and richly flavored.

**Hubbard, Smooth.** Equal in every respect to the warty, only difference being the surface is smooth.

**Marblehead.** Light green in color. Rich yellow meat and good flavor. Large size. Good keeper, abundant yielder.

**Sibley or Pike's Peak.** Rind smooth, thin, pale green color. Flesh thick, solid, deep orange, dry, delicious flavor.

**Table Queen, or Kitchenette, or Acorn.** A small acorn-shaped, dark green, about 6 inches long and 4 inches in diameter.

**Winter Squash, postpaid, pkt. 5c; 1 oz. 15c; 2 oz. 25c; ¼ lb. 35c; ½ lb. 60c; 1 lb. \$1.00; 5 lbs. \$4.25; 10 lbs. \$7.50.**

**RHUBARB**

**Victoria or Mammoth.** Very large; the finest cooking variety. Pkt. 5c; oz. 25c; 2 oz. 40c; ¼ lb. 60c; ½ lb. \$1.00; 1 lb. \$1.75.

**SPINACH**

THICK LEAVED, IMPROVED

**Gaudry Long Standing.** An improved variety slow going to seed, and perhaps the best for general use.

**New Zealand.** The leaves are comparatively small, broad and pointed. Plant three or four seeds in hills two feet apart each way. Keep leaves well picked.

**Giant Nobel, Thick Leaved, Long Standing.** A rapid growing variety forming a cluster of large, thick, slightly savoyed leaves of fine quality when cooked. Popular with market gardeners.

**All Spinach, postpaid, pkt. 5c; 1 oz. 10c; 2 oz. 15c; ¼ lb. 25c; ½ lb. 35c; 1 lb. 50c; 5 lbs. \$2.00; 10 lbs. \$3.00.**

**HERBS**

**Caraway.** Grown for seeds; used for flavoring. Pkt. 10c; oz. 25c.

**Dill.** Seeds have an aromatic odor and pungent taste. Pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 40c; ½ lb. 65c; 1 lb. \$1.00.

**Marjoram.** Sweet; used for seasoning. Pkt. 10c; oz. 50c.

**Sage.** Extensively used for seasoning. Pkt. 10c; oz. 50c.

**Summer Savory.** Used for flavoring soups. Pkt. 10c; oz. 40c.

SALSIFY, VEGETABLE OYSTER

Mammoth Sandwich Island. Pure white, fine flavor, uniformly large. Pkt. 5c; oz. 20c; 2 oz. 30c; ¼ lb. 50c; ½ lb. 80c.

TOMATOES



Bonnie Best. The fruits are large, handsome, solid and deep through. Of bright scarlet color, ripening without any cracks or green core. Flesh thick, and of sweet flavor.

Break o' Day. The fruits are almost round and have a bright orange-scarlet skin. They are solid and heavy, with small seed cavities.

Burbank. Fruit, bright crimson; thick, solid, heavy, smooth, firm, medium to large in size; superior quality, unusually heavy and continuous bearer throughout the season.

Chalk's Early Jewel. The large, handsome fruits are very solid and deep through. Color is brightest scarlet, ripening without any cracks.

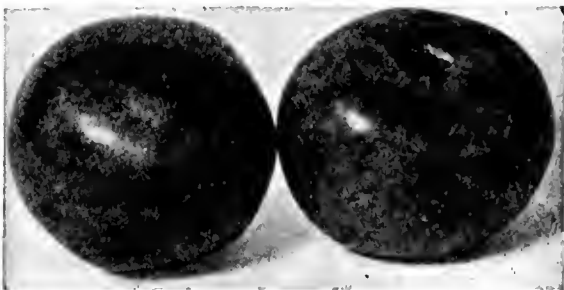
Earliana. The earliest large and smooth. The most perfect of all tomatoes. Of large, uniform size and beautiful red color. Quality almost beyond praise.

John Baer. Largest of the extra early sorts and most attractive in color. Nearly round, smooth, firm and of excellent quality.

Marglobe. A scarlet fruited variety of medium size, smooth and solid. It is a cross between the Marvel and Globe.

Pritchard or Scarlet Topper. Fruits globe shaped, deep scarlet, smooth and solid. Heavy cropper.

Stone. Fine for main crop, very large; color bright scarlet; very smooth, ripening up to the stem without a crack.



BREAK O' DAY

Stone	}						
Bonnie Best							
Chalks Early Jewel							
John Baer		....\$0.05	\$0.30	\$0.55	\$1.00	\$1.50	\$2.75
Marglobe							
Earliana	}						
Pritchard							
Break O'Day	}	....	.05	.35	.60	1.15	2.00
Burbank							3.50
Ground Cherry	}	....	.10	.50	.80	1.40	2.50
Yellow Pear							4.50

SMALL VARIETIES

Ground Cherry or Husk. The small yellow fruits are enclosed in a husk or covering. Highly esteemed for preserving.

Yellow Pear. The name denotes shape, also color. It is a rich, clear, yellow color and is one of the very best for preserving.

INLAND SPECIAL TOMATOES  
EARLIANA AND BONNIE BEST

These Tomatoes are secured from one who specializes in the production of tomato seed for seed purposes only. These superior strains have been obtained by plant selection for years, are carefully rogued and hand picked and as a natural result a much more uniform and superior quality is obtained.

This stock yields much heavier, produces more even, smooth fruit than ordinary stock. Pkt. 10c; oz. 50c; 2 oz. 90c; ¼ lb. \$1.50; ½ lb. \$2.75; 1 lb. \$5.00.

SCARLET DAWN

The solid wall, the bright scarlet color and globular shape of this variety are all characteristics that are required in a good shipping tomato. Because of its productiveness, color, earliness and quality, it will appeal strongly to the home gardener as well as to the commercial grower. Pkt. 10c; oz. 50c; 2 oz. 90c; ¼ lb. \$1.50; ½ lb. \$2.75; 1 lb. \$5.00.

TURNIPS

Aberdeen, Yellow. Round, medium size, light yellow; produces a large crop; flesh very firm, tender and sweet.

Early Flat White Dutch, Strapped Leaved. A leading white-fleshed variety, of medium size. The flesh is firm and tender.



PURPLE TOP WHITE GLOBE

Milan, White. The earliest turnip. A fine, snowy-white color. Size medium, flesh white, tender and smooth.

Milan, Purple Top. As early as the White Milan. Small top, erect, strap leaved, upper part a deep purple; lower, white.

Pomeranian White Globe. Perfect globe shape, skin white. Has unusually long feeding period before becoming pithy.

Purple Top, Strap Leaved, Early. Flat; purplish red above; white underneath; flesh firm, but very tender.

Purple Top White Globe. A perfect globe shape. White skin; flesh pure white, firm and crisp. Purple above ground.

Snowball. A perfectly globe shaped, white skinned turnip. The flesh is fine grained, firm and of very delicate flavor.

White Egg. Egg-shaped, perfectly smooth, pure white variety, with small top. It grows half out of the ground.

All Turnips, postpaid, pkt. 5c; 1 oz. 10c; 2 oz. 15c; ¼ lb. 25c; ½ lb. 40c; 1 lb. 60c; 5 lbs. \$2.75; 10 lbs. \$4.50.

RUTABAGAS or SWEDES

American Purple Top. Shape oblong; reddish color above ground, yellow underneath; harder than the common turnip.

Bangholm. Preferred by many as the neck is slender and tapers toward the roots, making it more easily pulled.

Neckless. An improved strain without neck, flesh yellow, fine grained, considered one of the best yellow purple tops.

White Sweet Russian. Large size; flesh white, solid, of a firm texture, sweet and rich; an excellent keeper.

All Rutabagas, postpaid, pkt. 5c; 1 oz. 10c; 2 oz. 15c; ¼ lb. 25c; ½ lb. 40c; 1 lb. 60c; 5 lbs. \$2.75; 10 lbs. \$4.50.

## FLOWER SEEDS

In describing our flower seeds the letter (A) denotes annual variety; (B) biennial, and (P) perennial.



AGERATUM

**AGERATUM** or **FLOSS FLOWER** (A). Little Dorrit. The attractive feathery flowers are borne in dense clusters; desirable for bedding and borders, being covered with bloom all summer. Azure Blue. Pkt. 10c;  $\frac{1}{4}$  oz. 40c;  $\frac{1}{2}$  oz. 70c.

Midget Blue—See inside of back cover.



SWEET ALYSSUM

**SWEET ALYSSUM**, Carpet of Snow (A). The plants are very dwarf and spreading; they grow only 3 to 4 inches high, and each plant completely covers a circular space 10 to 15 inches in diameter. Pkt. 10c;  $\frac{1}{4}$  oz. 25c;  $\frac{1}{2}$  oz. 45c.

**Saxatile** (Basket of Gold) (P). A hardy variety bearing an abundance of yellow flowers in April and May about 9 inches high. Pkt. 10c;  $\frac{1}{4}$  oz. 35c;  $\frac{1}{2}$  oz. 60c.

**AMARANTHUS** (A). Brilliant foliaged, growing from 3 to 5 feet high, bearing curious racemes of flowers. Useful for the center of large beds.

**Caudatus** (Love Lies Bleeding). Blood red. Pkt. 5c;  $\frac{1}{4}$  oz. 25c;  $\frac{1}{2}$  oz. 40c.

**ARABIS** or **ROCK CRESS** (P). The blooms are produced in such great profusion that within a short time they appear like a mass of snow. They are excellent for rock gardens or borders. Pkt. 10c;  $\frac{1}{4}$  oz. 35c;  $\frac{1}{2}$  oz. 60c; oz. \$1.00.

### ASTERS



ASTER, IMPROVED CALIFORNIA SUNSHINE

**Comet Giant** (A). Plants are of upright habit, about 2 feet high, producing long stemmed flowers composed of wavy petals. Mixed, pkt. 10c;  $\frac{1}{4}$  oz. 40c;  $\frac{1}{2}$  oz. 75c; oz. \$1.25.

**Improved Crego** (A). Plants robust; about 2 feet high. The large double flowers are well formed, making a very fine variety for all purposes. Azure Blue, Pink, White and Mixed. Pkt. 10c;  $\frac{1}{4}$  oz. 40c;  $\frac{1}{2}$  oz. 75c; oz. \$1.25.

**Improved Ostrich Feather** (A). Borne on long stems, which makes them cut flowers par excellence. Plants about 2½ feet. Mixed, pkt. 10c;  $\frac{1}{4}$  oz. 40c;  $\frac{1}{2}$  oz. 75c; oz. \$1.25.

**California Giants, Improved**. (A). Large flowers, often measuring 5 to 6 inches in diameter, and they are characterized by the Crego type of flowers. Mixed: Pkt. 15c;  $\frac{1}{4}$  oz. 60c;  $\frac{1}{2}$  oz. \$1.00; oz. \$1.75.

### SPECIAL ASTERS

**Early Beauty**. Plants grow from 2 to 3 feet high. Flowers measuring 4 to 5 inches; borne on long, stout stems from 18 to 24 inches. Mixed: Pkt. 10c;  $\frac{1}{4}$  oz. 40c;  $\frac{1}{2}$  oz. 75c; oz. \$1.25.

**Improved California Sunshine**. Flowers 3 inches across, with a single outer row of petals. Plants grow 1½ ft. tall. Mixed: Pkt. 15c;  $\frac{1}{4}$  oz. \$1.00;  $\frac{1}{2}$  oz. \$1.75.

**Hardy Perennial Asters** (Michaelmas Daisies). Single fall-flowering hardy herbaceous plants, thriving in any good garden soil. If sown early they will flower the first season; 3 feet. Mixed: Pkt. 15c.



LOS ANGELES ASTER



### Los Angeles Aster

This is the largest and most fully double Aster known. The flowers are from 6 to 8 inches across. The color is a lovely soft shell pink, blending to a creamy pink at the center. Pkt. 15c; ¼ oz. \$1.00; ½ oz. \$1.75; oz. \$3.25.

**EARLY GIANT**—See inside of back cover.

**BACHELOR'S BUTTON, or CENTAUREA CYANUS** (Also called Corn Flower) (A). A very hardy annual, producing handsome flowers of a great variety of rich colors. Borne on tall, branching stems. Double Mixed: Pkt. 5c; ¼ oz. 25c; ½ oz. 40c; oz. 65c.

**BALSAM or LADY'S SLIPPER** (A). A favorite, producing its gorgeous masses of beautiful brilliant-colored flowers in great profusion; 2 feet.

Double Camellia-Flowered, Mixed. Pkt. 10c; ¼ oz. 25c.

Single Camellia-Flowered, Mixed: Pkt. 10c; ¼ oz. 25c.

**BLUE LACE FLOWER** (*Didiscus Coerulus*) (A). Grows into an upright plant of about 2 feet in height. Each branch ends in an umbel of light sky-blue flowers which spread out in an umbrella-like fashion. Pkt. 10c; ¼ oz. 40c; ½ oz. 75c.

**CALENDULA, POT MARIGOLD** (A). Very hardy, 1 foot high, blooming freely practically the whole year round.

Double Mixed: Pkt. 5c; ¼ oz. 20c; ½ oz. 35c; oz. 60c.

**Orange Ball** (A). A very fine double calendula, a magnificent flower, growing to enormous size, and is outstanding because of its rich orange-yellow color. Pkt. 10c; ¼ oz. 35c; ½ oz. 60c.

**CALLIOPSIS** (A). A quick growing annual. The flowers are placed on graceful wavy stems and in color run through all the shades of red and yellow. Tall double mixed. Tall single. Mixed: Pkt. 5c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**CANTERBURY BELLS** (*Campanula Calycanthema*) (Cup and Saucer) (B). Produces beautiful single flowers 3 inches in length with saucers 3 to 4 inches in diameter. The plants form pyramids of bloom bearing from 100 to 200 of these exquisite blossoms. 2½ feet high. Mixed: Pkt. 10c; ¼ oz. 60c; ½ oz. \$1.00; oz. \$1.75.

### CARNATION

The Carnation has always been one of the most esteemed of flowers, on account of their fragrance, diversity of color and great beauty. For early blooming sow under glass.

**Marguerite Double Mixed** (P). The most magnificent of all the Plnk family and a general favorite.

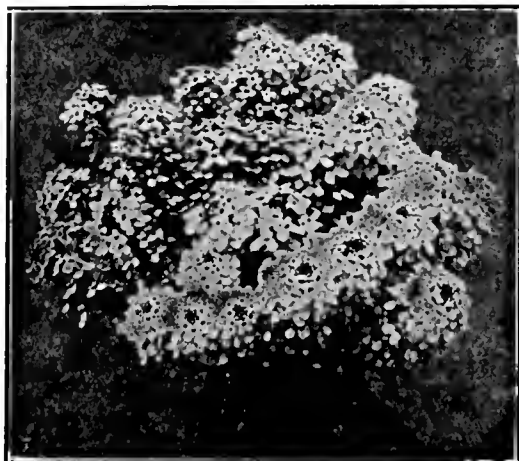
**Chabauds Earliest French Mixed** (P). Produces double, sweet-scented flowers, in a great variety of colors. Both varieties: Pkt. 10c; ¼ oz. 60c; ½ oz. \$1.00; oz. \$1.75.

### CENTAUREAS

**Moschata Alba Royal Sweet Sultan** (A). This is undoubtedly the finest of all Sweet Sultans for cut flower purposes. The beautiful sweet-scented artistic-shaped flowers are borne on long, strong stems. Mixed: Pkt. 10c; ¼ oz. 25c; ½ oz. 40c.

**CHILDSII, CHINESE WOOL FLOWER** (A). A distinct form of the plumed Celosia, with beautiful, ball-shaped flower-heads of a purplish crimson color. Flowers profusely during summer and fall. Two to 3 feet. One of the finest fall-blooming annuals. Pkt. 10c.

**CHINESE LANTERN** (*Physalis Franchetti*) (P). A hardy perennial grown for its showy scarlet-red seed-pods which are easily dried for winter bouquets. The flowers are white, followed by the showy lanterns. Pkt. 10c; ¼ oz. 50c; ½ oz. 90c.



CANDYTUFT

**CANDYTUFT** (A). Showy, branching plants bearing in profusion terminal clusters of beautiful single flowers in a wide range of colors.

**Empress** (A). White, Giant Mixed. Pkt. 10c; ¼ oz. 20c; ½ oz. 35c; oz. \$60.

### CELOSIA

**CELOSIA** (Cockscomb) (A). Free blooming annuals, growing best in light soil. They make splendid border plants.

Mixed: Pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

**CELOSIA** (Plumosa or Plumed) (A). These stately plants are considered among the most ornamental. They generally form pyramidal bushes and the numerous massive plumes wave gracefully above the foliage. 2 to 3 feet.

Mixed: Pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

**CHRYSANTHEMUMS** (Painted Lady) (A). These outdoor "summer Chrysanthemum" are showy and effective. Plants become more bushy and shapely if pinched back.

Double or Single Mixed: Pkt. 10c; ¼ oz. 25c; ½ oz. 40c.

**CLARKIA** (A). Handsome, free flowering annuals of easy cultivation. Produce a fine effect massed in beds. Flowers are very bright and attractive.

Double Mixed: Pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

**COLUMBINE or AQUILEGIA** (P). Grows about 2 feet high. Splendid for permanent beds and borders.

Single or Double Mixed: Pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

**COREOPSIS LANCEOLATA** (P). Blooms the first year; flower rich yellow, single; very fine for cutting. Pkt. 5c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**COSMOS** (A). A hardy and rapid grower, forming bush-like plants with feathery green foliage, 4 feet high, covered with large flowers somewhat resembling the single dahlia.

Single Mixed: Pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

Double Mixed: Pkt. 15c; ¼ oz. 60c; ½ oz. \$1.10; oz. \$2.00.

**EARLY KLONDYKE ORANGE FLARE**. Bright vivid orange, borne on long stems. Pkt. 10c; ¼ oz. 25c.

### DAISIES



SHASTA DAISIES

**Shasta** (P). Flowers of the snowiest white, with yellow centers. Blooms the first season and should be sown in boxes early and transplanted. Pkt. 10c; ¼ oz. 40c; ½ oz. 75c; oz. \$1.25.

**African Daisy** (*Dimorphotheca Aurantiaca*) (A). Its blossoms are a unique glossy orange gold, which brilliant coloring is rendered more conspicuous by the dark disk surrounding the black zone. Pkt. 10c; ¼ oz. 40c; ½ oz. 75c; oz. \$1.25.

**Bellis, Double Moustrosa English Daisy** (P). A favorite perennial which will stand the winter if given the protection of a little litter. In bloom from early spring until well on in the summer. Mixed: Pkt. 10c; ¼ oz. 75c; ½ oz. \$1.25; oz. \$2.25.

**DELPHINIUM** (Larkspur) (P). Very few plants are as stately, decorative and showy as these. They have a dignity peculiarly their own, with tall graceful spikes covered with bloom.

Mixed, Dark Blue, Light Blue. Pkt. 15c; ¼ oz. 75c; ½ oz. \$1.25; oz. \$2.25.

## EVERLASTING

**HELICHRYSUM** (A). Sometimes called Straw Flower. Double daisy-like flowers. Desirable as dried specimens and for use in making winter bouquets. Sow early in spring. Hardy. 2 to 2½ feet high. Monstrosum, fl. pl., finest mixed. Largest double flowers. Pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**Honesty** (*Lunaria Biennis*) (B). Known also as Moonwort, Money and Peters Pence. Bloom is transparent, silvery, loose sprays, dries naturally and lasts all winter in dry bouquets. Pkt. 10c.

**Statice** (Sea Lavender) (P). One of the most highly prized among the everlasting flowers, as it consists of masses of small bright flowers on large sprays. Mixed, pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

**FORGET-ME-NOTS** (*Myosotis*) (P). A modest little flower. A pretty trailer with blue flowers. Pkt. 10c; ¼ oz. 40c; ½ oz. 75c; oz. \$1.25.

**FOUR O'CLOCK** (*Mirabilis*) (A). Is also called Marvel of Peru. A handsome, free-flowering, sweet-scented plant. They open their blossoms about 4 o'clock in the afternoon. Choice mixed, pkt. 5c; ¼ oz. 20c; ½ oz. 30c; oz. 50c.

**FOXGLOVE** (*Digitalis*) (P). Handsome, ornamental, hardy. The spikes are often 3 to 5 feet long and thickly strung with thimble-shaped flowers. Mixed, pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

**GAILLARDIA** (Blanket-Flower). (A). Remarkable for the profusion, size and brilliancy of their flowers. Blooms all summer. Height 2½ feet. Mixed Double (A). Pkt. 10c; ¼ oz. 35c.

Perennial, single mixed, pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

**GEUM**, Mrs. Bradshaw (P). Perennial of low growth sending up flower-stems 2 feet long. The flowers are double and measure 2 inches in diameter. They are a most intense orange-scarlet. Pkt. 15c; ¼ oz. 75c; ½ oz. \$1.25; oz. \$2.25.



GODETIA

**GODETIA** (A). Attractive and hardy. The plants bloom profusely and bear showy flowers of rich and varied colors. Tall double mixed, pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

**GYPSOPHILA** or **BABY'S BREATH** (A). Grandiflora Covent Gardens. A greatly improved strain. Pure white flowers. Pkt. 5c; ¼ oz. 25c; ½ oz. 45c; oz. 75c.

Perennial Paniculata. Pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**HOLLYHOCKS**, Chater's Superb Double (P). These fine-old-fashioned perennials are most striking when planted in groups of long rows; their variety of color is wonderful. Double mixed, pkt. 10c; ¼ oz. 50c; ½ oz. 90c; oz. \$1.50.

**INDIAN SPRING**. See inside back cover.

**ICE PLANT** (A). Six inches high. Leaves covered with crystalline drops. Flowers white or pink. Valued for its remarkable foliage. Pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**KOCHIA CHILDSII** (Mexican Fire Bush, or Summer Cypress) (A). Symmetrical and attractive. Early in the fall innumerable little flowers appear and the bush takes on a deep red tinge. Pkt. 5c; ¼ oz. 15c; ½ oz. 25c; oz. 40c.

**LARKSPUR** (*Delphinium*) (A). The Larkspur with its long clustered spikes of beautiful irregular flowers, often with long spurs is especially valuable for its shades of blue. Mixed Double: Pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**LINUM** (Blue Flax) (A). A very showy bedding plant, having fine foliage, with brilliant blue flowers. Pkt. 10c.

## LOBELIA

**LOBELIA** (A). A very valuable and beautiful dwarf-growing plant, delicate drooping habit and profusion of charming little blue and white flowers. Highly desirable for borders.

Dwarf Single Mixed. Pkt. 10c; ¼ oz. 75c; ½ oz. \$1.25; oz. \$2.00.

Tall Single Blue. Pkt. 10c; ¼ oz. 75c; ½ oz. \$1.25; oz. \$2.00.

**Crystal Palace Compacta** (A). Dwarf, rich, bright blue. Pkt. 10c; ¼ oz. 75c; ½ oz. \$1.25; oz. \$2.00.

**Bedding Queen**. Dwarfest, best for ribbon bedding. Flowers deep purplish-violet, with clear white eye. Pkt. 10c; ¼ oz. \$1.00; ½ oz. \$1.75; oz. \$3.00.

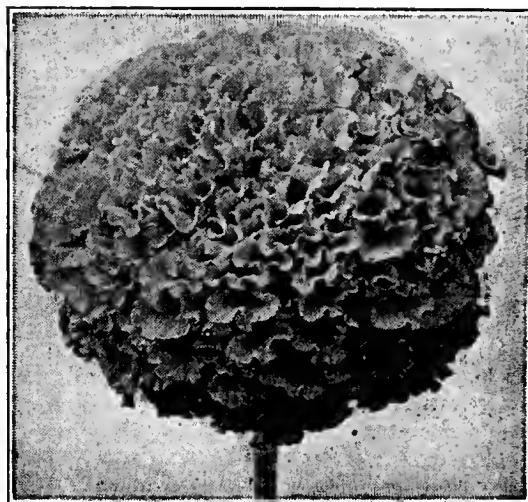
**LUPINUS** (P). Free-flowering, easily-grown with long graceful spikes of pea-shaped flowers; valuable for borders, beds and for cutting; prefers a little shade; 2 feet.

**Polyphyllus** (P). Mixed, pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**TEXAS BLUEBONNET** (A). Pkt. 5c; ¼ oz. 20c; ½ oz. 35c; oz. 60c.

**Lupins Russell's**. See inside of front cover.

## MARIGOLD



MARIGOLD

**Marigolds** (A). The African varieties grow 2 to 3 feet tall, bear large yellow or orange-colored flowers, and are adapted for large beds. Profuse bloomers until frost.

## AFRICAN

**Lemon Ball**. Extra large, round, double flowers of a clear canary-yellow.

**Orange Ball**. Enormous flowers of intense rich orange.

**Dwarf Double**. About 1½ feet high; large flowers; desirable for shrubbery or mixed border. Mixed.

**Tall Double**. About 2 feet high with flowers 3 to 4 inches in diameter, in shades of yellow and orange. Mixed.

	Pkt.	¼ Oz.	½ Oz.	Oz.
Lemon Ball.....				
Orange Ball.....				
Dwarf Double Mixed.....	\$0.10	\$0.35	\$0.60	\$1.00
Tall Double Mixed.....				



GUINEA GOLD

**Guinea Gold**. Distinctly new in type. A graceful pyramidal plant, about 2½ feet high, literally covered with blossoms. Flowers, about 2½ inches across, are semi-double of a brilliant golden orange. Pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

**Crown of Gold**. See inside of back cover.



**MIGNONETTE**

**Allan's Defiance (A).** Spikes grow to a remarkable size, of delicious fragrance. The individual florets are large and form a graceful spike. Pkt. 10c; ¼ oz. 20c; ½ oz. 35c; oz. 60c.

**Golden Machet.** A compact growing variety with medium long thick spikes of yellow flowers, very fragrant. Pkt. 10c; ¼ oz. 20c; ½ oz. 35c; oz. 60c.

**NASTURTIIUM**

For ease of culture, duration of bloom and brilliancy of color, nothing exceeds Nasturtiums.

**Golden Gleam (A).** It is semi-tall running from 2 to 2½ feet high. Sweet scented, with long stems. The large golden yellow flowers average 2½ to 3 inches across.

**Glorious Gleam Hybrids, Sweet Scented.** Is a hybrid mixture from crossing on Golden Gleam. The flowers are large, well formed; double. The stems are long and bear the flowers well above the green of the foliage.

**Orange Gleam, Double Sweet Scented.** The flowers are very large; double and free flowering. Color is a deep glowing golden orange, with a deeper shading at the center. Sweet scented.

**SCARLET GLEAM, Sweet Scented.** Scarlet Gleam is a rich scarlet. Half dwarf type, bushy with a few short runners, ruffled petals, semi-double, profuse flowering.

The foregoing four varieties of Nasturtiums: Pkt. 10c; oz. 25c; 2 oz. 40c; 4 oz. 60c; ½ lb. \$1.00; lb. \$1.50.

**DWARF**

**Finest Mixed.** This mixture is selected from the very finest varieties and when planted in beds or masses will present a most brilliant and pleasing effect. Pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 40c; ½ lb. 75c; lb. \$1.25.

**TALL**

**Finest Mixed.** This is a very superior mixture and consists of a number of the best-known varieties and will, without doubt, prove highly satisfactory. Pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 40c; ½ lb. 75c; lb. \$1.25.

**NEMOPHILA, BABY EYES, LOVE-IN-THE-GROVE (A).** The pretty, bell-shaped flowers are freely produced all summer. Plants 8 inches high; of neat, bushy habit. Mixed, pkt. 5c.

**NICOTIANA, AFFINIS (Tuberose-Flowered Tobacco) (A).** Delightfully sweet-scented; blooming continually; annual; 2 to 3 feet high. Mixed, pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**NIGELIA, LOVE-IN-A-MIST or DEVIL-IN-THE-BUSH, DAMASCENA (A).** A compact, free-flowering plant with finely cut foliage, curious-looking flowers and seed pods. Height 1 foot. Mixed, double pkt. 10c.

**PANSIES**

**PANSY (Viola Aricolor) (P).** A half hardy perennial, growing 4 to 6 inches high. Thriving best in a moist, shady location, and in rich, loamy soil.

**Fancy Mixed.** Flowers of richest and most varied shades. Plants hardy and vigorous. A very fine mixture. Pkt. 10c; ¼ oz. 75c; ½ oz. \$1.25; oz. \$2.00.

**Masterpiece Giants, Frilled, Mixed.** A splendid mixture of various shapes and markings. The blossoms are blotched at the base. Pkt. 15c; ¼ oz. \$1.25; ½ oz. \$2.00; oz. \$3.50.

**Swiss Giants.** These have been carefully re-selected and bred up to their present excellence, and for giant size, substance, form and coloring they are unsurpassed. Mixed, pkt. 25c; ¼ oz. \$2.25; ½ oz. \$4.00; oz. \$7.00.

**Viola Cornuta (Tufted Pansies) (P).** Viola is often mistaken for a small pansy. It belongs to the same family and is one of the best for borders. Very attractive. Free blooming. Mixed, pkt. 10c; ¼ oz. 75c; ½ oz. \$1.25; oz. \$2.25.

**PINKS**

**Dianthus.** The Pinks are old-fashioned favorites. Both the single and double Pinks are well adapted for bedding and borders. The brilliantly colored flowers contrast vividly with the rather narrow, bright, light green leaves about 1 foot high.

**Single Mixed (A).** Pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

**Plumarius (Grass Pink) (P).** A beautiful hardy pink. Fringed-edged flowers. Sweet scented. Single mixed, pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

**PETUNIA**

**PETUNIA (A).** Of easy culture, early to bloom and continues throughout the summer until the first killing frost. No other flower produces a greater diversity of color.

**California Giants (A).** Flowers very large in great variety of colors and markings with yellow throats. Fringed. Mixed, pkt. 25c; ¼ oz. \$4.00; ½ oz. \$7.00.

**Elks Pride (A).** A very rich purple with a velvety black lustre over all. Large single flowers. Pkt. 25c; ¼ oz. \$4.00; ½ oz. \$7.

**Flaming Velvet—**This Petunia has caused a sensation because of its velvety, rich, blood-red flower. The plants are semi-compact in habit, about 15 inches in height, absolutely uniform, and the flowers are large and borne in great profusion. Pkt. 25c.

**Heavenly Blue.** A beautiful shade of light silvery blue. Pkt. 15c.

**Pride of Portland (A).** A very fine shade of pink. Large flowers ruffled. Pkt. 25c; ¼ oz. \$5.00; ½ oz. \$9.00.

**Rosy Morn (A).** A bright rosy pink, with silvery white throat, very charming, compact, and free flowering. Makes a very dainty and effective border. Pkt. 10c; ¼ oz. 60c; ½ oz. \$1.00.

**Single Mixed.** Pkt. 10c; ¼ oz. 40c; ½ oz. 75c; oz. \$1.25.

*Beautiful lawns and luxuriant gardens can be secured by using Plantone.*

## PHLOX

**Phlox Drummondii** (A). Of all summer-flowering annuals, the varieties of Phlox Drummondii are unquestionably one of the most brilliant and satisfactory. Seed may be sown in the open ground any time after danger from frost is past.

**Grandiflora Mixed.** Pkt. 10c;  $\frac{1}{4}$  oz. 50c;  $\frac{1}{2}$  oz. 80c; oz. \$1.25.

**Perennial Mixed.** Pkt. 15c;  $\frac{1}{4}$  oz. 90c;  $\frac{1}{2}$  oz. \$1.50; oz. \$2.50.

**Star** (A). The petals of these flowers have fringed or toothed edges, darker centers, and margins of a different shade, giving them the appearance of twinkling stars. Pkt. 10c;  $\frac{1}{4}$  oz. 60c;  $\frac{1}{2}$  oz. \$1.00; oz. \$1.75.

**Salmon Glory.** See inside of back cover.

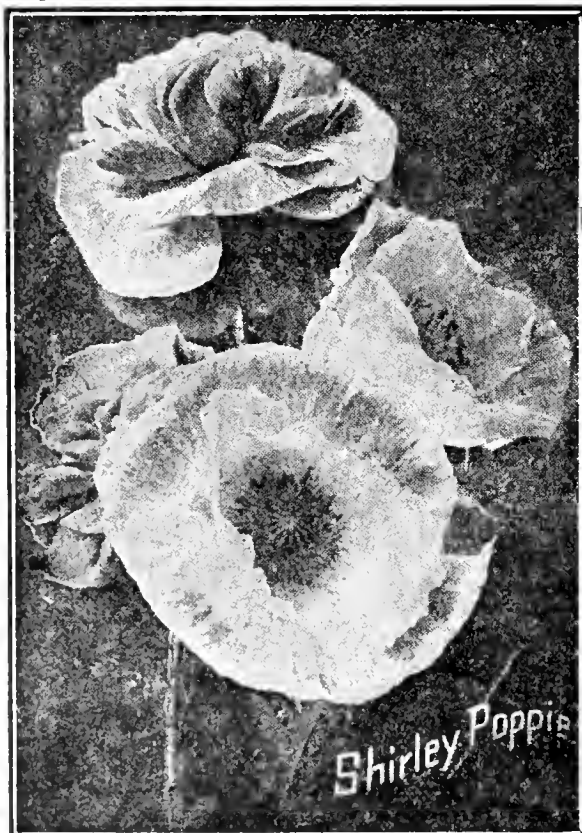
## POPPIES

**Golden West (Eschscholtzia)** (A). Commonly known as California poppy. Color, rich, rare tints of yellow and orange; very beautiful. Single. Pkt. 5c;  $\frac{1}{4}$  oz. 25c;  $\frac{1}{2}$  oz. 40c; oz. 75c.

**Mixed** (A). This is a special mixture and comprises many of the best named varieties and embraces all colors and shades of the Eschscholtzia California type of poppies. Pkt. 10c;  $\frac{1}{4}$  oz. 35c;  $\frac{1}{2}$  oz. 65c; oz. \$1.25.

**Iceland** (P). A graceful, delicate variety. The plant is low-growing, but the stems are long and slender. Single, mixed, pkt. 10c;  $\frac{1}{4}$  oz. 60c;  $\frac{1}{2}$  oz. \$1.00; oz. \$1.75.

**Oriental** (P). One of the showiest of the perennials, with enormous flowers. The leaf is long and deeply cut and clothed with white, bristly hair. Single, mixed, pkt. 10c;  $\frac{1}{4}$  oz. 50c;  $\frac{1}{2}$  oz. 80c; oz. \$1.25.



**Shirley Improved** (A). The most beautiful type of poppies, having soft, hairy foliage. Free blooming. Single mixed, pkt. 10c;  $\frac{1}{4}$  oz. 25c;  $\frac{1}{2}$  oz. 40c; oz. 75c.

**PORTULACA or ROSE MOSS** (A). Brilliant, dwarf, only 6 inches high, luxuriating in warm situations and blooming profusely from early summer to autumn.

**Single Mixed.** Pkt. 10c;  $\frac{1}{4}$  oz. 35c;  $\frac{1}{2}$  oz. 60c; oz. \$1.00.

**Double Mixed.** Pkt. 10c;  $\frac{1}{4}$  oz. 75c;  $\frac{1}{2}$  oz. \$1.25; oz. \$2.00.

## PRIMROSE

**Primula Vulgaris** (P). The beautiful wild English Primrose. It grows best in shady places. The seed is very slow in germinating and may stay in the ground a year. Flowers clear yellow. Six inches in height. Pkt. 25c.

**Oenothera (Evening Primrose)** (A). A free bloomer producing bright colored single flowers which open on the approach of twilight. Pkt. 10c;  $\frac{1}{4}$  oz. 25c;  $\frac{1}{2}$  oz. 40c; oz. 75c.

**PYRETHRUM** (P). Hardy, with large daisy-like flowers. Blooms during May and June. Foliage and flowers both very ornamental. Double and semi-double and single mixed. Pkt. 15c.

**RICINUS, or CASTOR OIL BEAN** (A). Ornamental plants. Picturesque foliage; brilliant colored fruit, producing a sub-tropical effect; fine for lawns. **Finest mixed**, pkt. 10c; oz. 30c.



SALPIGLOSSIS (VELVET FLOWER)

**SALPIGLOSSIS** (A). The quaint, funnel-shaped flowers somewhat resemble those of the Petunia; beautiful range of colors;  $2\frac{1}{2}$  feet tall and a continuous bloomer. **Finest mixed**, pkt. 10c;  $\frac{1}{4}$  oz. 35c;  $\frac{1}{2}$  oz. 60c; oz. \$1.00.

**SALVIA BONFIRE.** Brilliant scarlet flowers thrown well above the plant. Pkt. 10c;  $\frac{1}{4}$  oz. 60c;  $\frac{1}{2}$  oz. \$1.00; oz. \$1.75.

**SCABIOSA or MOURNING BRIDE** (A). A free-flowering annual. Very effective for garden decoration. Double mixed. Pkt. 10c;  $\frac{1}{4}$  oz. 25c;  $\frac{1}{2}$  oz. 40c; oz. 75c.

**SCHIZANTHUS (Butterfly Flower)** (A). Hardy, growing  $1\frac{1}{2}$  to 2 feet high and covered with bright, showy, butterfly-like blossoms. Large flowering. **Mixed**, pkt. 10c.

## SNAPDRAGONS

**SNAPDRAGON, or ANTIRRHINUM** (P). One of the most useful and showy plants. Of almost every shade and color. Half hardy. **Mixed**, pkt. 10c;  $\frac{1}{4}$  oz. 40c;  $\frac{1}{2}$  oz. 75c; oz. \$1.25.

**University of California De Luxe Mixture, Rust Proof.** The grower makes the following statement. In our University of California De Luxe Mixture we are proud to offer the University of California Mixture supplemented by the addition of a wide range of colors not found in the original mixture. Pkt. 10c;  $\frac{1}{4}$  oz. 40c;  $\frac{1}{2}$  oz. 75c; oz. \$1.25.

**ROSALE.** See inside of front cover.

**SNOW IN SUMMER (Cerastium Tomentosum)** (P). A very pretty dwarf white leaved edging plant, bearing small white flowers suitable for the rockery. Pkt. 10c.

**SUNFLOWER (Helianthus) Double Chrysanthemum Flowering** (A). This pretty sunflower grows to be about 3 feet high and has late in summer bright golden yellow flowers on stiff stem, fine for cutting. Pkt. 5c;  $\frac{1}{4}$  oz. 25c;  $\frac{1}{2}$  oz. 40c; oz. 75c.

**SWEET WILLIAM** (P). Hardy, producing a splendid effect in beds and borders with rich and varied flowers.

**Mixed Double.** Pkt. 10c;  $\frac{1}{4}$  oz. 35c;  $\frac{1}{2}$  oz. 60c; oz. \$1.00.

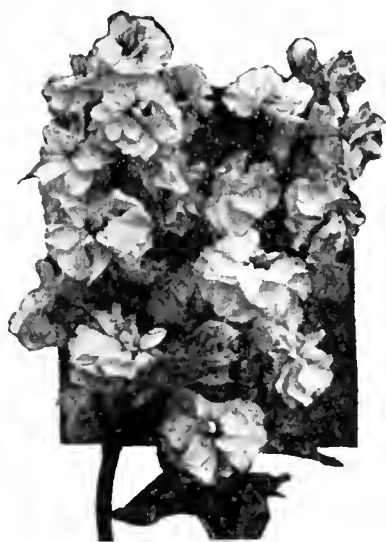
**Mixed Single.** Pkt. 5c;  $\frac{1}{4}$  oz. 25c;  $\frac{1}{2}$  oz. 40c; oz. 75c.

**THUNBERGIA (Black-Eyed Susan)** (A). One of the best trailing plants for boxes, vases, etc. Neat, compact growth. The pretty flowers, an inch in diameter. **Mixed**, pkt. 10c.

**VERBENA** (A). Start seed in the house or under glass early in the spring and transplant after 3 or 4 ins. of growth. **Mammoth extra choice**, mixed, pkt. 10c;  $\frac{1}{4}$  oz. 40c;  $\frac{1}{2}$  oz. 75c; oz. 1.25.

## STOCKS

**STOCKS.** Sometimes called Gilliflower. Considered almost indispensable where a fine display of flowers is wanted. They produce dense spikes of very fragrant flowers.



STOCK

**Matthiola Bicornis (Evening Scented Stock) (A).** The pink and lilac blossoms, partly closed during the day, expand and impart their fragrance in the evening; 12 to 15 inches. Pkt. 5c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**Mammoth Early Branching Nice (A).** Because of their branching habit they produce a great many blooms. For fragrance, brilliancy, diversity of color, profusion, they are unsurpassed. Double mixed, pkt. 10c; ¼ oz. 60c; ½ oz. \$1.00; oz. \$1.75.

**WALL FLOWER (P).** Produces spikes of beautiful, exceedingly fragrant flowers. Half-hardy.

**Mixed Single.** Large flowering. Pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**GARDEN MIXTURE (A).** A garden is not complete without a bed of this mixture of flowering annuals. A package will sow a bed about 2 by 10 feet.

**Annuals.** Pkt. 10c; oz. 30c; 2 oz. 50c; 4 oz. 90c.

**Perennials.** Pkt. 10c; oz. 35c; 2 oz. 60c; 4 oz. \$1.00.

**VIOLETS (P).** Violet Odorata is the well-known English violet, a free-flowering, hardy perennial. Slow in germinating. Succeeds best in partially shaded moist places. Very early bloomer. Sweet scented. A beautiful blue. Pkt. 10c.

## ZINNIAS, DAHLIA FLOWERED



GOLD MEDAL — DAHLIA FLOWERED ZINNIA

**ZINNIAS (A).** Are one of the most brilliant and showy annuals and have been very greatly improved the last few years. The outstanding type at the present time is what is known as Dahlia Flowered. We offer the following outstanding varieties in straight colors, and recommend these as the best.

**Crimson Monarch.** The largest and best of the red shades.

**Dream.** A distinct shade of deep lavender, shading to purple.

**Golden Dawn.** Rich golden yellow.

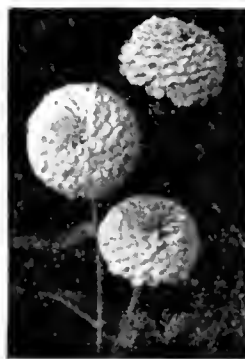
**Scarlet Flame.** An orange-scarlet. A dazzling color.

**Exquisite.** A striking self color of deep rose.

The foregoing five Dahlia Flowered Zinnias: Pkt. 10c; ¼ oz. 40c; ½ oz. 60c; oz. \$1.00.

**Gold Medal Dahlia Flowered Mixture.** This special mixture of Dahlia Flowered Zinnias has been grown as separate colors in the field and then mixed in the proper proportions. Pkt. 10c; ¼ oz. 40c; ½ oz. 60c; oz. \$1.00.

**California Giants.** Flowers of immense size; very showy. Mixed, pkt. 10c; ¼ oz. 50c; ½ oz. 80c; oz. \$1.25.



LILLIPUT ZINNIA



CALIFORNIA GIANT ZINNIA

**Lilliput Pompon.** Dwarf. Double pompon flowers. Mixed, pkt 10c; ¼ oz. 40c; ½ oz. 70c; oz. \$1.00.

**Zinnia Fantasy Star Dust.** See inside of front cover.

## VINES FROM SEEDS

**BALLOON VINE (Love-in-a-Puff) (A).** A rapid growing annual climber; succeeds best in light soil and warm situation; flowers white. Pkt. 10c; ¼ oz. 15c; ½ oz. 25c; oz. 40c.

**BEANS, Scarlet Runners (A).** A great favorite not only as an ornamental climber but for the delicious edible beans which succeed the bright scarlet sprays of pea-shaped blossoms. Pkt. 10c; 2 oz. 15c; ¼ lb. 25c; ½ lb. 40c; 1 lb. 75c.

**BOSTON or JAPANESE IVY (Ampelopsis Veitchii) (P).** A rapid creeper with lovely green foliage which turns red in fall. Excellent for covering walls, outhouses, etc. Height, 50 feet. Pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

**COBEA SCANDENS (A).** It climbs 30 feet in a season. The flowers are bell-shaped. Very prolific and perfectly hardy. The vine is always clean of insects. Mixed, pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

**GOURD (Cucurbita) (A).** The vines make a rapid growth. The foliage is ornamental. Do not plant the seed till danger of frost is over, and select light, rich soil and a sunny situation. Ten to 20 feet high. Mixed, pkt. 10c; ½ oz. 25c; oz. 40c.

**Japanese Kudzu (P).** Foliage luxuriant. The vine is extremely rapid and dense in growth; perfectly hardy. Pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

**Japanese Hop (Humulus) (A).** Attains a growth of 20 to 25 feet. The leaves (6 to 7 inches across) are beautifully marked and variegated. Pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

**Moon Flower or Ipomea, Mexicana Grandiflora (A).** Rapid growing climber. The flowers are large, waxy white and very showy. Pkt. 10c; ¼ oz. 35c; ½ oz. 60c; oz. \$1.00.

## MORNING GLORIES

**MORNING GLORY (A) (Convolvulus Major Ipomea Purpurea).** Tall, fine mixed, a great variety of colors of the popular old-fashioned sorts. Pkt. 5c; ¼ oz. 20c; ½ oz. 30c; oz. 50c.

**GIANT JAPANESE FRINGED (Imperials) (A).** The flowers of this variety are often three inches or more across and come in a great variety of colors. The foliage in some plants comes plain green, in others it is mottled with white and shades of yellow. Pkt. 10c; ¼ oz. 25c; ½ oz. 40c; oz. 75c.

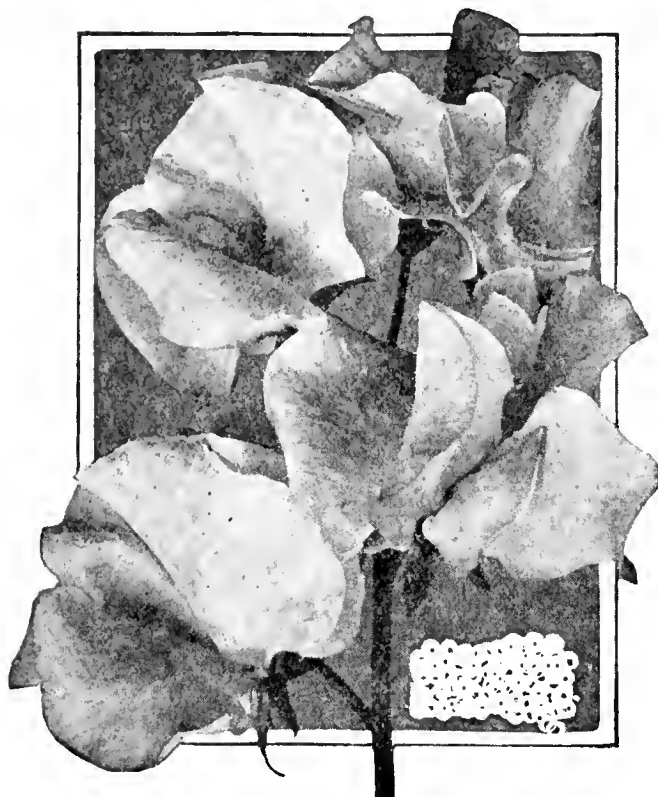
**HEAVENLY BLUE IMPROVED.** Deep heavenly blue shading light towards center. Blooms very large and showy. Rapid grower, with a quantity of huge dark green glossy leaves. Pkt. 10c; ¼ oz. 40c; ½ oz. 75c; oz. \$1.25.

**SCARLETT O'HARA.** See inside front cover.

**SMILAX (P).** Charming, tender, climber for greenhouse or window gardens. The foliage and stems are of a pleasing light green; very graceful; excellent for decoration. Pkt. 10c.

**WILD CUCUMBER (A).** A quick growing vine. It will re-seed itself. Thickly dotted over with pretty white fragrant flowers, which are followed by an abundance of ornamental prickly seed pods. Pkt. 10c; ½ oz. 20c; oz. 25c; 2 oz. 40c; ¼ lb. 75c; ½ lb. \$1.25; lb. \$2.25.

## SWEET PEAS



### GIANT SPENCERS MIXED

**CLOVER LEAF MIXTURE** is highly dependable, and with proper care should give very satisfactory results. Pkt. 5c; large pkg. 10c; oz. 20c; 2 oz. 30c; ¼ lb. 50c; ½ lb. 80c; lb. \$1.50.

### STANDARD SPENCERS

All the following varieties of choice Spencer Sweet Peas: Pkt. 10c; oz. 30c; 2 oz. 50c; ¼ lb. 90c; ½ lb. \$1.50; 1 lb. \$2.50.

#### BLUE

Mrs. Tom Jones. Bright delphinium-blue. Large flowers. Heavenly Blue. Light delphinium blue.

#### CREAM

Dobbie's Cream. A strong grower; profuse bloomer. Mastercream. Beautiful cream.

#### CRIMSON

Derby Day. Sparkling crimson. Vigorous grower. Crimson King. Rich deep crimson.

#### LAVENDER

Austin. Improved giant lavender. Highlander. Large flowered, clear lavender.

#### MAROON

Black Diamond. A very dark beautiful maroon. Leviathan. Very rich maroon.

#### ORANGE

Orange Flare. Deepest of all oranges. Tangerine Improved. A very rich beautiful orange.

#### PINK

Fluffy Ruffles. Cream pink, beautifully ruffled. Pinkie. Rose pink; large flowers.

#### PURPLE

Purple King. Deep rich purple. Royal Purple. The color is a rich, royal purple.

#### SALMON

Barbara. Fine soft salmon. Silver Jubilee. Intense salmon; beautiful.

#### SCARLET

Fiery Cross. A very bright scarlet. Welcome. A most brilliant dazzling scarlet.

#### WHITE

King White. Remarkable for its glistening whiteness. Avalanche. Pure white, large blooms.

## PERENNIAL SWEET PEAS

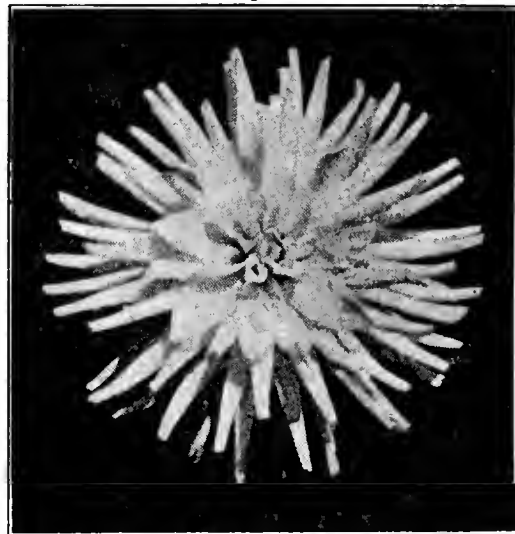
Hardy, with smaller flower and lacking the fragrance of Sweet Peas, but producing a succession of blossoms in clusters of eight to ten each. Only a few flowers can be expected the first season. Mixed, pkt. 10c; ½ oz. 40c; oz. 75c.

## BULBS

### DAHLIAS

The Dahlia is one of the showiest of all autumn flowers. Commencing to flower in July, they are a perfect blaze of bloom until frost.

### CACTUS



CACTUS DAHLIA

This type is particularly valued on account of the fact that the flowers will keep in good condition longer after cutting than those of any other type.

#### CRIMSON

Hugh Dutton. Giant flowers of brilliant deep crimson with dark center. Good stems. Each 35c.

#### ORANGE

Lillian Sheridan. Orange shaded yellow aurora; petals tipped with gold. Erect stems. Each 35c.

#### PINK

Josephine. Rose pink; excellent cut flower. 35c. Lake Pend Oreille. Giant blooms on long erect stems; delicate soft pink. Each 50c. Laurine. Giant flowers of deep pink; long, erect stems. Ea. 35c.

#### PURPLE

Marathon. Large incurved flowers on strong stems; color deep rich purple. Each 35c.

#### RED

Nopal. Large, beautiful, rich velvety red. 50c. Royalist. Large incurved flowers of soft coral red color. 35c. Velvet. Darkest velvet red, large and highly recommended. 35c.

#### SALMON

Enchanting. Giant flowers of rich rosy salmon with large golden centers. Each 50c.

#### SCARLET

Romany. Bright geranium scarlet. Long petals. 35c.

#### WHITE

Mary Muir. Extra fine cut flowers. Large ivory white blooms, erect stems. Each 35c.

#### YELLOW

Golden West. Large flowers on erect stems; deep rich yellow overlaid with orange. Each 35c. Maude Hastings. Beautiful soft yellow. 35c. Sunset Gold. Large flowers, deep golden yellow. 50c.

Any three of the 35c Dahlias, \$1.00.

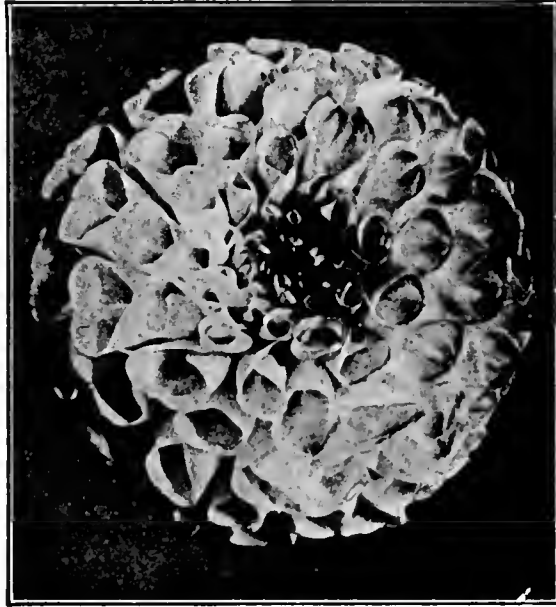
Any three of the 50c Dahlias, \$1.25.



## DECORATIVE

The Decorative Dahlies are an intermediate form between the Show and Cactus types. Many beautiful varieties have been introduced, some with flat petals, others reflexed, incurved or curiously twisted.

### DECORATIVE DAHLIAS



#### CRIMSON

**Glendenning.** Giant bloom of bright glowing crimson; extra long, erect stems. Each 35c.

#### ORANGE

**City of Trenton.** Giant tangerine orange, while the reverse is a crushed strawberry red. Each 50c.

#### PINK

**Marshall's Pink.** A beautiful shrimp pink. Each 50c.

**Mr. Crowley.** Exquisite salmon pink. Distinct colored flowers on good stems. Each 35c.

#### RED

**Dad.** Large, brilliant red flowers, with good stems. 35c.

**Maryland Glory.** Large deep American Beauty red. 50c.

#### SCARLET

**Monmouth Champion.** Immense, bright orange scarlet. 35c.

**Redwing.** Bright scarlet red flowers. 35c.

#### WHITE

**Mt. Hood.** Exceptional pure white blooms on good stems; very free flowering. Each 35c.

#### YELLOW

**Full Moon.** Huge golden yellow. 50c.

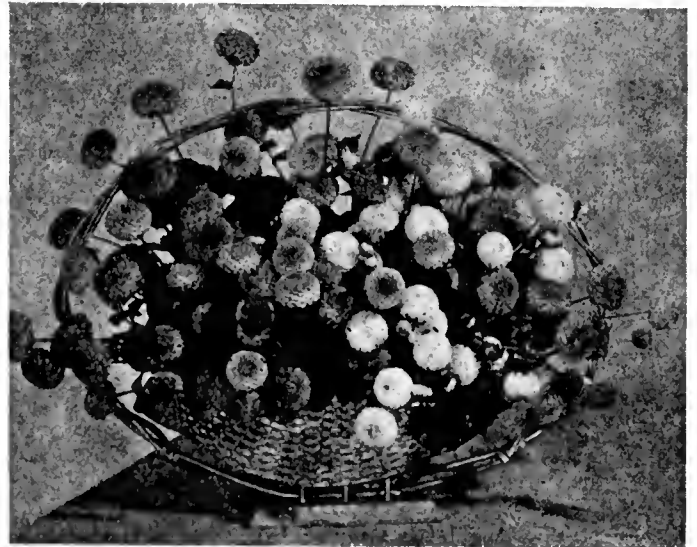
**Marmion.** Primrose yellow, bronze center. Each 35c.

**Oregon Sunshine.** Giant; double flowers of a rich shade of golden yellow. 35c.

Any three of the 35c Dahlias, \$1.00.

Any three of the 50c Dahlias, \$1.25.

## POMPON DAHLIAS



The plants grow into neat little bushes which are covered with small, perfectly ball-shaped Dahlias measuring up to 2 inches in diameter. The flowers are always double to the very center and in many varieties the petals are curled.

#### LILAC

**Dee Dee.** Small lilac lavender. Good stems.

#### PINK

**Rosa Wilmoth.** A fine rose pink on ideal stems; free flowering.

#### RED

**Jazz Red.** Old shade of raspberry red.

#### SCARLET

**Vivid.** Rich, bright scarlet. A flower well suited for cutting.

#### WHITE

**Joe Fette.** Small, perfect blooms on long, erect stems.

#### YELLOW

**Lemon Drap.** Extra fine clear yellow.

Above, 25c each; any, 6 \$1.25

## SHOW DAHLIAS

Show Dahlias are usually of solid color, but in certain varieties the tips of the petals may be of another. They are usually round, ball-shaped, and are always beautiful and compact.

#### BLUE

**Bonnie Blue.** Dark lavender blue.

#### CRIMSON

**American Beauty.** Large flowers; gorgeous wine crimson.

#### PINK

**A. D. Livoni.** Color, rich pink; fine stems.

#### PURPLE

**Anna Rehorst.** Deep purple or maroon shade; good stems.

#### RED

**Big Ben.** Rich raspberry red.

#### SCARLET

**Gold Medal.** Brilliant orange scarlet.

#### WHITE

**White Livoni.** A pure white.

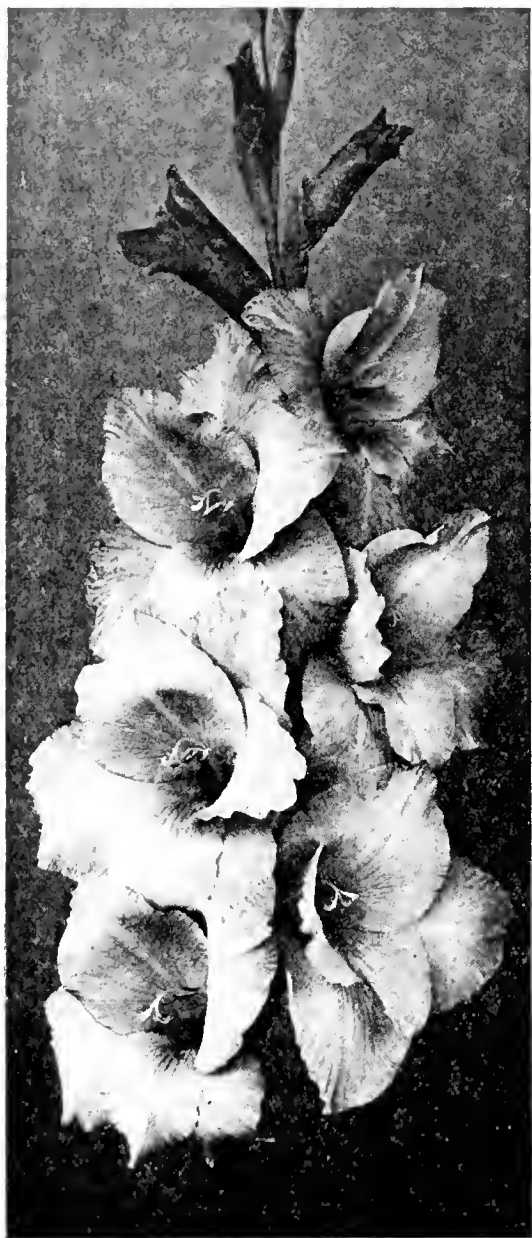
#### YELLOW

**Golden Opportunity.** Deep golden yellow.

Above, each 35c; any three, \$1.00.

**GLADIOLUS**

Gladiolus are the most popular of all garden bulbs. Grow and bloom readily in any soil or climate. Need little care and attention, and make a display which for brilliancy and beauty of coloring few bulbs can equal and none surpass.



**AFLAME.** Glowing Red.

**ALBATROS.** Large Pure White.

**BAGDAD.** Old Rose.

**DR. MOODY.** Large Lavender.

**GIANT NYMPH.** Tall Pink.

**PICARDY.** Soft Shrimp Pink.

The foregoing six, ½ dozen 30c; dozen 50c.

**DR. F. E. BENNETT.** Bright Red.

**LOYALTY.** Grand Yellow.

**MAMMOTH WHITE.** Immense Size.

**PELEGRINA.** Violet Blue.

**PFETZER TRIUMPH.** Salmon Orange.

**W. H. PHIPPS.** LaFrance Pink.

The foregoing six, 4 for 25c; ½ dozen 35c; dozen 60c.

**BLUE DANUBE.** Tall Amethyst Blue.

**BRIGHTSIDES.** Red.

**COMMANDER KOEHL.** Scarlet.

**GATE OF HEAVEN.** Yellow.

**PURPLE GLORY.** Red.

**SMILING MAESTRO.** Salmon.

The foregoing six, 3 for 25c; ½ dozen 40c; dozen 75c.

All 50c varieties.....50, \$1.75; 100, \$3.00

All 60c varieties.....50, 2.00; 100, 3.50

All 75c varieties.....50, 2.75; 100, 5.00

**EXHIBITION MIXTURE**

Each 5c; ½ dozen 20c; dozen 35c; 25, 65c; 50, \$1.25; 100, \$2.25.

**PEONIES**

The Peony with its immense flowers is one of the most desirable perennials. (E) denotes Early; (M) Midseason; (L) Late.

**CRIMSON**

**Longfellow.** Large bright double crimson peony. 60c.

**PINK**

**Albert Crousse (L).** Large flowers. Light rose pink. 50c.

**Edulus Superba (E).** Lovely bright pink; fragrant. 50c.

**Eugene Verdier (E).** Soft hydrangea pink. 50c.

**Marie Crousse (M).** Very large flower; salmon pink. 50c.

**RED**

**Felix Crousse (M).** Brilliant rose red; beautiful. 50c.

**Karl Rosen Field (M).** One of the best dark reds. 50c.

**Mary Brand.** One of the purest reds. 60c.

**W. F. Turner.** One of the best tall red varieties. 75c.

**WHITE**

**Baroness Schroeder (E).** Pure clear white. Each 50c.

**Festina Maxima.** The oldest, finest white peony. 50c.



## Protection for Tender Plants Means Better Results



### Hotkaps

Hotkaps are miniature hothouses, manufactured from wax paper, under which the seed of melons, tomatoes, peppers, etc., can be planted, thereby saving the cost of labor of transplanting. Young plants under Hotkaps are protected from frost and insects and will mature more quickly than those transplanted.

Lots of 1,000 .....	\$10.75 per 1000
Lots of 5,000 .....	10.50 per 1000
Lots of 10,000 .....	10.25 per 1000
Lots of 25,000 or more.....	10.00 per 1000
Less than 1000 .....	1.25 per 100
Less than 500 .....	1.50 per 100
Less than 100 .....	.25 per doz.
Thousand weigh 28 lbs. Add postage.	

We also have Hotkaps in small packages as follows:

	Weight	Price
25 Package complete.....	2 lbs.	\$0.50
100 Package complete.....	5 lbs.	2.75
250 Package complete.....	10 lbs.	4.00
Garden Setter alone .....	3 lbs.	.50
Steel Tamper alone.....	5 lbs.	.25
Steel Setter alone .....	5 lbs.	1.25
Add postage.		

25 Package contains 25 Hotkaps and Paper Setter; 100 Package contains 100 Hotkaps, one light metal Garden Setter and one Steel Tamper; 250 Package contains 250 Hotkaps, one light metal Garden Setter and one Steel Tamper.

### STEEL HOTKAP SETTERS

In placing the Hotkaps over the plants, the "Hotkap Setter" will prove very helpful. This is a small steel cone, the exact shape of the Hotkap itself, with a handle at the top. Add postage.

### HOTKAP CARRIERS

To make it easier to set them out in quantities, a specially made carrier, holding approximately 150 Hotkaps, will be found very convenient. Price, \$1.00; postpaid, \$1.10.

### HOTENTS

Hotents are made of scientifically manufactured paper which is extra strong; are 10½x14½ inches at the base, and 8½ inches high, supported with two patented covered wire bows. 500 weight 35 pounds. Price, 100, \$1.50. Add postage.

## Garden and Planting Accessories

### PLANT BANDS (PAPER)



They come already folded and set up. The simplest way to handle plants for transplanting is to grow them in our Ready-to-Use Plant Bands. They make an ideal worm guard.

Case, 5,000 .....	\$19.00 per case
Less than case .....	.50 per 100
Less than 1000 .....	.60 per 100
Less than 500 .....	.70 per 100
Less than 250.....	.10 per doz.
Size 2x2. Packed 250 in carton. Weight of 250, 2¼ pounds.	
Add postage.	

### PLANT POTS (PAPER)

Plant pots and plant bands are made exactly of the same material, the only difference being that bands have no bottom while pots have.

Case 2,000 .....	\$19.00 per case
Less than case .....	1.10 per 100
Less than 1000 .....	1.25 per 100
Less than 500 .....	1.50 per 100
Less than 250 .....	.20 per doz.
Packed 250 in carton. Size 3x3 in. Weight of 250, 5½ lbs.	
Add postage.	

### PLANT BANDS (SPRUCE VENEER)

Size 2x2x3 Inches

Lots of 1000 .....	\$4.00 per 1000
Less than 1000 .....	.50 per 100
Less than 500 .....	.60 per 100
Less than 250 .....	.10 per doz.
Mailing weight of 500, 9 lbs. Add postage.	

Size 3x3x3 Inches

Lots of 1000 .....	\$5.00 per 1000
Less than 1000 .....	.60 per 100
Less than 500 .....	.70c per 100
Less than 250 .....	.15 per doz.
Mailing weight of 500, 13 lbs. Add postage.	

### FLOWER-BED BORDER

Pickets of galvanized wire spaced 3 inches apart. Cables of galvanized wire spaced 6 inches apart, except two top cables which are spaced 2¾ inches apart.

	Price per Lineal Foot
Height from top to bottom of pickets.	
16 in. to extend 12 in. above grade.....	\$0.15
22 in. to extend 18 in. above grade.....	.20

Wire Trellis. Width 18 inches. Per foot..... .20

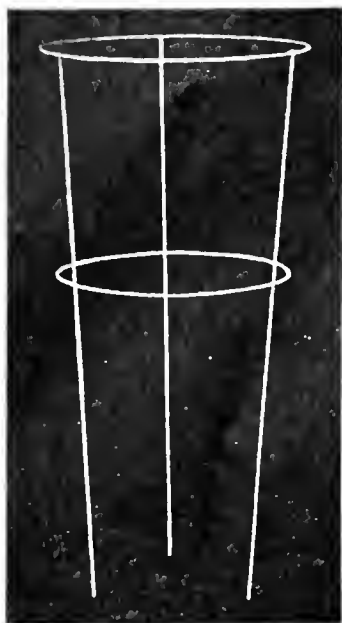
### STRAWBERRY CRATES

No deck, 100, \$15.00. Less than 100, each, 16c.

Price not guaranteed.

### BERRY HALLOCKS (PAPER)

Strawberry and Raspberry self-folding hallocks are put up in packages of 500 pint size. Weight 30 lbs. per 500. Price \$5.50 per M; \$3.00, 500; \$1.00, 100. Add postage. Quotations not guaranteed.

**BAMBOO CANES****Painted Green**

3 feet. Doz. 25c; 25, 40c; 50, 60c; 100, \$1.00. 4 feet. Doz. 25c; 25, 45c; 50, 75c; 100, \$1.25. Dozen weigh 1 lb. Add postage.

5 feet. Doz. 30c; 25, 50c; 50, 85c; 100, \$1.50. Dozen weigh 1½ lbs. Add postage.

Bamboo poles, not painted, 6 feet. 1x1¼ in. Doz. \$1.00.

Prices not guaranteed.

**PEONY AND PLANT SUPPORTS**

Are made of strong galvanized wire. Very strong and durable and can be used to advantage with a great number of different kinds of plants and flowers.

**Price of Plant Supports**

No.	Wire Gauge	Diameter Top Ring	Diameter Lower Ring	Length Side Wires
1	No. 6	14	12	30 in.
2	No. 6	18	16	30 in.
3	No. 3	24	16	36 in.

No.	Each	½ Doz.	Doz.	25	50	100	Each Weight
1	\$0.35	\$2.10	\$4.00	\$7.50	\$14.00	\$27.00	1½ lbs.
2	.45	2.70	5.00	9.50	18.00	36.00	2½ lbs.
3	.65	3.90	7.50	14.50	28.00	55.00	3½ lbs.

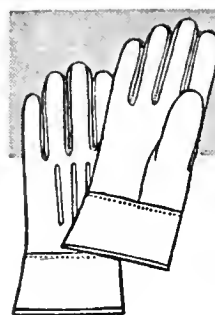
Add postage.

**Price of Plant Props**

No.	Height	Wire Gauge
4	36 in.	No. 6
5	48 in.	No. 3
6	60 in.	No. 3

No.	Each	½ Doz.	Doz.	25	50	100	Doz. Weight
4	\$0.15	\$0.75	\$1.25	\$2.25	\$4.25	\$8.00	4 lbs.
5	.20	1.10	2.00	3.75	7.25	14.00	9 lbs.
6	.25	1.50	2.75	5.00	9.50	18.00	11 lbs.

Add postage. Prices not guaranteed.



*National*  
**Eezy Wear**  
*Garden Gloves*

A soft, pliable, all-leather dirt proof glove for both men and women. The unusual quality of extreme softness and pliability is combined in this all-leather glove. Two sizes. Per pair, 75c, postpaid.

**STRAWBERRIES****EVERBEARING**

**Gem.** This is as its name implies, a bright red berry to the core, well flavored. Not as large as Mastodon. Better flavored and a much better shipper and a few days earlier.

**Mastodon** without doubt is the largest everbearing strawberry. It is a very mastodon in the size of its big, red, luscious berries. Their glossy red color gives them a beautiful appearance.

**ONE CROP VARIETIES**

**Marshall.** Produces remarkably large, beautiful fruit.

**Premier.** Early. A good shipper. Ideal in color. Ripens evenly.

**Dorsett.** Color light red, heavy producer, exceptionally firm.

**Fairfax.** A very good berry, large, firm, splendid color.

		—Prepaid—			— Not Prepaid —		
		Doz.	25	50	100	200	500 1000
Mastodon	}	\$0.50	\$0.85	\$1.25	\$2.00	\$3.25	\$6.50 \$12.00
Gem							
One crop varieties		.40	.50	.75	1.25	2.00	3.75 7.00

Quotations not guaranteed.

Good size strawberry plants weigh about 10 lbs. per 200.

**PLANTS AND ROOTS**

(No Plants or Roots Sent C. O. D.)

**PLANTS, FLOWERING—PERENNIALS AND ANNUALS**

Variety	Prices	
	Postpaid	Postpaid
	Doz.	100
Alyssum	\$0.25	\$2.00
Asters	.25	2.00
Carnations	.25	2.00
Cosmos	.25	2.00
Daisies	.25	2.00
Dahlias	.25	2.00
Geraniums, 3-in. pots	.30 each	3.00 doz.
Lobelia	.25	2.00
Marigold	.25	2.00
Pansies	.60	4.50
Petunia	.25	2.00
Salvia	.25	2.00
Snapdragons	.25	2.00
Stocks	.25	2.00
Verbenas	.25	2.00
Wallflowers	.25	2.00
Zinnias	.25	2.00

**ONION PLANTS**

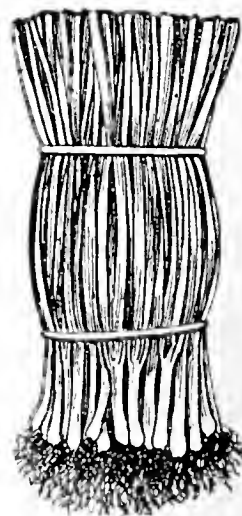
Matured onions can be secured from plants much sooner than from seed. It is recommended to plant the rows 16 inches apart and the plants 3 to 4 inches apart in the rows. If planted in this manner it will take about 100,000 to the acre. Do not plant too deep. Plants are put up in bundles of about 100, and 60 bundles to a crate. Count not guaranteed. We are growing quite an acreage in the Northwest and quotations made are on these plants. In case of excessive winter killing, when we might be compelled to secure some plants in Texas, price would be higher.

**Prices, Postpaid**

2 bundles	\$0.45
3 bundles	.60
6 bundles	1.00
10 bundles	1.50
Crate, 60 bundles, not prepaid	5.50

Crate weighs about 30 lbs. Not less than two bundles sold.

It is well known that plant men suffer a loss each year on account of the death of seedlings caused by rotting at the ground line. This is due to various species of fungi which may be present in the soil or on the seed. Semesan is highly recommended to control this disease and may be used for either seed or soil treatment. If used as a soil drench after planting the seed, apply at the rate of one teaspoonful to one quart of water, and if used for treating the seed, follow directions on the package.



## PLANTS, VEGETABLES

Quotations on 500 and 1000 lots are on outdoor grown plants ready about May 15th.

Variety	Postpaid			Not Postpaid	
	Doz.	50	100	500	1000
<b>Cabbage</b> —E. J. Wakefield, G. Acre, Copenhagen, Ball Head, Red, Transplanted.....	\$0.25	\$0.75	\$1.25	\$3.75	\$7.00
<b>Cauliflower</b> — Snowball, transplanted .....	.30	1.00	1.50	5.00	9.00
<b>Celery</b> — White Plume, transplanted .....	.25	.75	1.25	3.25	6.00
Golden Self-Blanching, Transplanted .....	.25	.75	1.25	3.25	6.00
Egg Plant, transplanted .....	.30	.75	1.25	4.50	8.00
<b>Peppers</b> , transplanted— Bull Nose California Won- der, Cayenne, Ruby King .....	.30	.75	1.25	4.50	8.00
<b>Tomatoes</b> , transplanted— Bonnie Best, Burbank, John Baer, Earliana, Ground Cherry, Marglobe..	.30	.75	1.25	4.50	8.00

## ROOTS

Asparagus, Mary Wash- ington, 2 years old.....	.40	1.00	1.75	5.25	10.00
Hop .....	.75	2.75	5.00	7.75	15.00
Horseradish .....	.30	1.00	1.50	4.25	8.00

	Postpaid			Not Postpaid	
	Each	Doz.	50	100	500
Chives, small bunch.....	\$0.15	\$1.25	\$.....	\$.....	\$.....
Rhubarb, 1 year old.....	.15	1.25	3.25	5.00	15.00
Rhubarb, 2 years old.....	.25	1.75	4.50	8.00	30.00

Prices not guaranteed, but are subject to change.

## FIELD SEEDS

We are unable to quote on field seeds as our catalog goes to the printer, but will be glad to quote upon request. Please state amount wanted.

## ALFALFA

**Alfalfa, Common Variety.** Most generally sown. Prepare seed bed thoroughly. Permanent for years. Heavy yielder.

**Alfalfa, Grimm.** A hardier variety than the Common. Different root system. Not subject to winter killing.

**Alfalfa, Cossack.** It is claimed by some that this strain is harder than Grimm.

**Alfalfa, Ladak.** Extremely hardy, drought-resistant. Resists bacterial-wilt. High yielding.

## CLOVERS

**Ladino White Clover.** Can be grown on shallow land where well supplied with moisture. Makes more vigorous growth on medium heavy soils.

**Alsike.** Produces large crops of excellent hay. Finer than Red Clover. Not so dusty. Stands drouth well.

**Red, Medium.** Standard variety. Highly recommended for enriching the soil. Hardy, and yields well on any soil.

**Red, Mammoth.** Heavier yielder than the Medium. Matures later. Follage, flower and stem dark color.

**Sweet, White Blossom.** Erect branching biennial. Stems woody. Grows from 5 to 8 feet high.

**Sweet, Yellow Blossom.** Same family as the White Blossom. Does not grow so high. Finer stem and earlier.

**White Dutch.** Low growing. White blossoms. Fragrant. Makes excellent pasture. Used largely for lawns.

## GRASSES

**Bent, Creeping.** Fine texture. Valuable for lawns and golf courses. Rapid grower. Spreading habit. Permanent sod.

**Blue Grass, English.** Grows from 3 to 4 feet high. Deep rooted. Heavy yielder of superior hay. Makes good pasture.

**Blue Grass, Kentucky.** Very sweet and nutritious. Starts growth early in spring, remaining green until winter.

**Bromus Inermis.** Introduced as a grass for dry sections. Withstands drouth well. Produces leaves abundantly.

**Bromus Marginatus.** Stock relish both pasture and hay. Hardy. Withstands drouth well.

**Canary Grass.** Known as water grass, as it delights in marshy places. Grows from 6 to 7 feet high.

**Fescue, Chewing.** Small, hardy low growing. Fine dark green leaves about 6 inches high forming a close turf.

**Michaels Grass.** A cross between Midas wheat and wild rye grass; yields more than rye, but not as much as wheat. Will do on poorer land than wheat, but at the same time remember the better the land the greater the yield. Suitable for dry sections.

**Orchard Grass.** Stands the drouth. Grows well in the shade. Does well in wet or poor ground.

**Red Top.** Valuable for moist rich soils where it grows very luxuriantly. Grows from 1 to 2 feet high.

**Rye, English.** Valuable for pasture, as it produces an abundance of foliage. Hay is fine and relished by stock.

**Rye, Italian.** Annual, quick grower. Attains a height of 2½ to 4 feet. Does best on moist soil and cool climate.

**Sudan Grass.** Annual. Grows from 7 to 9 feet. Small stem about size of lead pencil. Wonderful stooler.

**Timothy.** Best and longest of all grasses and most generally used. Height from 2 to 3 feet.

**Crested Wheatgrass.** A perennial bunch grass related to Blue Joint, a native of the cold, dry plains of Siberia..

**Slender Wheat or Western Rye Grass.** Western Rye Grass is a perennial with a short rootstock, not creeping.

**Tall Meadow Oat Grass.** Deep rooted; withstands a long drouth, remaining green a long time.

**Korean Lespedeza.** Abundant growth, deep roots make Korean Lespedeza an outstanding grazing soil building legume.

**Sudan Grass.** Annual, drouthresisting forage plant, relished by stock.

## LAWN GRASS

**Clover Leaf Mixture.** Cheap lawn grass can only be secured by a mixture of low priced seeds. Your lawn is the introduction to your home. Make first impressions favorable.

## MEO - 181



MEO-181 is a brand new item in a brand new field. It is the only oneshot weed killer on the market, and the only treatment for dandelions, plaintain and crab grass that is completely satisfactory. It is easy to use; it kills only the weeds and does not harm lawn grasses.

Gallon cans, \$1.55

Weight 10 lbs. Add Postage.

## MILLETS

**Early Fortune.** A sure cropper and specially valuable for late planting, as it is one of the earliest varieties.

**Golden.** Rank grower. Splendid variety for hay. Grows from 4 to 5 feet on rich soil. Cut when in bloom.

**Siberian.** One of the very earliest. A very heavy cropper. Hay finer than Golden and grows taller. Rust-proof.

## MISCELLANEOUS

**Buckwheat.** Heavy yielder. Very early. Stands up well. Excellent bee pasture. 2 lbs. 25c; 25 lbs. and over, 10c per lb. Add postage.

**Flaxseed.** It has been customary to sow on virgin sod. 2 lbs. 25c. Add postage.

**Kaffir Corn.** Attains a growth of from 4 to 5 feet, the stalk producing numerous wide leaves. 15c per lb; 25 lbs. and over, 12½c per lb. Add postage.

**Kale, Thousand Headed.** Does best in cool, moist locations, proving it to be a wonderful forage plant.

**Lentils.** Succeed best in dry, sandy soil. Used largely for soup. 2 lbs. 25c; 25 lbs. and over, 10c lb. Add postage.

**Rape, Dwarf Essex.** Used solely for securing green feed. Pigs, sheep and cattle all relish it. Rank grower.

**Sugar Cane, Early Amber.** Earliest, richest, best sort for northern latitudes. Can be grown where corn can be produced. 2 lbs. 26c; 25 lbs. and over, 10c per lb. Add postage.

**Sunflower.** Grown as a forage plant. Seed used for poultry, as it is very rich in oil. 15c per lb. Add postage.

**Vetches, Spring.** All Vetches belong to the pea family. In the Inland Empire Spring Vetches will not withstand the winters.

**Vetches, Winter or Sand.** Can be sown in fall or spring and will produce a crop. Heavy yielder.

## PEAS

**Canadian.** The most popular of the white varieties. Seed almost white. A heavy cropper. Very tall vines.

**Alaska.** Green smooth seed. Earlier and less straw than the Canadians, and for this reason more popular.

**Whipporwill.** Prolific yielder. Vigorous grower.

Ask for prices on all Field Seeds, stating amount wanted.

## FIELD CORN

In the past we have listed a number of different kinds of corn, both white and yellow; also flint and dent. These have all been discarded with the exception of our home grown No. 13 Minnesota; as the verdict of the farmers have been that No. 13 is far superior to any other variety for the Northwest.

**Minnesota No. 13.** The stalks grow to a height of from 6 to 7 feet, producing ears having 16 to 20 rows of rich yellow corn.

**All Field Corn.** Postpaid, 1 lb. 20c; 2 lbs. 35c; 5 lbs. 75c; 10 lbs. \$1.25.

**Not postpaid,** 1 lb. 15c; 2 lbs. 25c; 5 lbs. 50c; 10 lbs. \$1.00; 25 lbs. \$2.00; 50 lbs. \$3.25; 100 lbs. \$5.50. Prices not guaranteed.

### POP

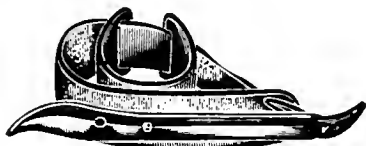
**White Pearl.** The best corn for popping and for the general market; early, white pointed kernels. 1 lb. 25c, postage paid. At purchaser's expense, 10 lbs. \$1.00.

### CORN HUSKERS

**Model A, "Corn King".** Long leather strap laces four times across the back of the hand and around the thumb. Cinch lacing insures comfort to wearer. Wrist ease opening prevents sprains and gives considerable wrist support. **Price 60c.** Weight, 2 lbs.; add postage.



A



2000B

**Model 2000B**—All steel pin made of the best grade of material obtainable for the purpose with all steel rear brace which can be made to hold the hand firmly. **Price 30c.** Weight, 1 lb.; add postage.

## GRAIN



### MARKTON OATS

The outstanding features of Markton oats are their immunity to smut and their superior yield.

## WHEAT

**WINTER**—Jones Fife, Martin Amber, Gold Coin.

**SPRING**—Bluestem, Marquis, Early Bart, Federation.



### BARLEY

In order to secure pure beardless barley we contract with farmers, supply the seed and rogue the growing crop.

### RYE

**Spring Rye.** Spring rye is an excellent catch crop where winter grain has been killed out.

A few years ago we received a small amount of a new variety of Spring Rye from North Dakota and have been contracting this with farmers. This is as much superior to the old type Spring Rye as Rosen Rye is to the old type Winter Rye.

**Winter Rye.** Rosen Rye is a stiff-strawed, large headed variety which ordinarily has four full rows of grain on over 99 per cent of its heads. Rosen Rye outyields common rye from 25 to 50 per cent.

Write for prices on all field seeds, stating amount wanted, or we will fill all orders at prices prevailing on date of shipment.

## POTATOES

Potatoes can be grown in any soil provided it is well drained, but if grown on sandy, rich soil, they will be of better quality than if planted on clay soils.

**Prices.** Owing to the great uncertainty regarding values we are unable to make definite prices at present. Write for prices, stating amount wanted.

### EARLY

**Bliss Triumph or Six Weeks.** This is very early and is also one of the best yielders of the early varieties. Skin pink.

**Ohio.** A leading early sort. Round, short, and thick tubers, smooth and solid; cooks dry and mealy and matures very early.

**Earliest of All or Early Eureka.** Is a white-skinned variety. The tubers are smoother than most other varieties.

### MEDIUM

**Irish Cobbler.** The tubers are round, somewhat flattened with rather deep eyes and are medium to large in size. The skin is white.

### LATE

**Netted Gem.** The hardiest, most vigorous in growth, most productive, and the best in table quality. Tubers medium long.

### CERTIFIED STOCK

We are usually able to supply blue tag quality in all the standard varieties.

Write for prices, stating amount wanted.



## NURSERY STOCK

We secure our nursery stock from a reliable Spokane nursery firm and orders are sent out as received.

If there is any cause for complaint, report same at once as no attention will be given to them if report is delayed.

Make a large hole for the root, water thoroughly, and firm the soil around the root.

Add postage at the rate of 5c for each small root. If six or more are ordered, add postage at the rate of 3c per root. Large roots forwarded by carrier at customer's expense. If postage is not forwarded, order will be forwarded at customer's expense.

### VINES AND CLIMBERS

**Boston Ivy, Japanese Ivy.** Best known and most popular climber for chimney, brick and stonework. Each, 50c, 75c.

**Engelmanni.** Deeply cut leaves which turn to a beautiful crimson in fall. Clings to walls without aid of artificial support. Vigorous growth. Each, 25c, 50c, 75c.

**Virginia Creeper or American Ivy.** Fast growing, hardy creeper, massive foliage, deeply cut leaves which turn to a beautiful crimson in fall. 25c to 75c.

### CLEMATIS

**Henryi.** Large single white flower, most popular of its color. Each, \$1.00.

**Jackmani.** Large velvety dark purple flower, very showy. 50c to \$1.00.

**Paniculata.** Late flowering variety with panicles of small white flowers borne in great profusion in early fall. Each, 50c, 75c.

### HONEYSUCKLES

**Belgia or Everblooming.** Flowers yellow, blotched with red above; blooms all summer, fragrant. Each 50c, 75c.



Honeysuckle

**Halls' Japan.** Blooms continuously from June until frost; fragrant, white and yellow flowers, in great abundance. Each 25c, 50c, 75c.

**Scarlet Trumpet.** Trumpet shaped flowers of bright scarlet. Each, 50c, 75c.

### HARDY ROSES

**Two Year Old.** Each, 50c, except where quoted; add postage.

**American Beauty.** One of the largest, sweetest and best; rich rosy crimson, shaded and veined in a most charming manner.

**Betty Upchurch.** Two-toned salmon pink; very vigorous.

**Charles K. Douglas.** The flowers are large, semi-double, brilliant light crimson with a scarlet undertone.

**Frau Karl Druschky.** Best known white. Very popular.

**Feu Joseph Looymans.** (Per.) Long, pointed buds of exquisite rich apricot shaded old gold. Sturdy plants.

**General Jacqueminot.** The blossoms are large, full, and globular, having a cup-shaped form. Brilliant scarlet-crimson.

**Gruss an Teplitz.** Color crimson-scarlet, but not vivid enough to throw other sorts into the background.

**Gorgeous.** Flowers are large and full. Deep orange yellow and heavily veined with reddish copper.

**Dame Edith Helen.** The flowers are perfectly shaped, bright pink. The most perfumed of all pink roses.

**E. G. Hill.** Beautiful long buds and high-centered dazzling scarlet blooms shading deeper as they develop more fully.

**Etoile de Hollande.** The most popular red garden rose—a brilliant crimson-red. A strong, vigorous grower.

**Joanna Hill.** Beautifully slender buds. Flowers suffused with soft orange and creamy yellow.

**Kaiserin Augusta Victoria.** Pure white; splendid large buds and superb, full; double blooms.

**Hoosier Beauty.** A large, full flower with well shaped buds; color is an exceptionally attractive glowing, velvet crimson.

**Lord Charlemont.** Mass of livid crimson blooms; large and full.

**Los Angeles.** In color a luminous flame-pink, toned with coral and shaded with translucent gold at the base of the petals.

**Mrs. John Laing.** Extremely large blooms of soft pink. Long buds; cup-shaped, fragrant flowers. Free bloomer.

**Mme. Edouard Herriot.** Profuse bloomer; coral red.

**Mme. Caroline Testout.** A grand rose, with large full flowers and handsome buds; rich pink. The hardiest of the Teas.

**Paul Neyron.** The largest rose in existence, frequently reaching 6 inches in diameter. The color is clear pink.

**President Herbert Hoover.** Blend of flaming scarlet, pink, yellow and orange. Extremely tall, vigorous growth.

**Souvenir de Claudius Pernet.** Its color is sunflower-yellow, and it retains this color in bud and open bloom.

**Sunburst.** The flowers are large, full, and of fine elongated cupped form. The color is a superb cadmium-yellow.

**Talisman.** Its brilliant orange-red buds open to a large, fragrant, high-pointed bloom of glowing golden yellow.

**Ulrich Brunner.** Extra-large flowers of light red, bordering on scarlet or crimson—a shade of red distinctly its own.

### HARDY CLIMBING ROSES

Each, 50c, except where otherwise quoted; add postage.

**Climbing American Beauty.** Heavy strong grower; hardy everywhere. Color rich red passing to crimson. Very popular.

**Climbing Gruss an Teplitz.** A perfect sheet of crimson when in bloom. It's the same as the Bush Teplitz.

**Dorothy Perkins.** Beautiful shell-pink color, which holds for a long time, fading finally to a lovely deep rose. Free of mildew.

**Dr. W. Van Fleet.** Large flowers of a dainty flesh pink with rosy center. Flowers of perfect form with reflex petals.

**Paul's Scarlet Climber.** Vivid scarlet, shaded crimson; makes a brilliant display for a long period of time.

**White Dorothy Perkins.** A sport from Dorothy Perkins, possessing all the fine qualities of that grand variety.

### PATENTED ROSES

**Gloaming.** Plant Patent No. 137. A cutflower variety which has proved a "winner" wherever grown. Bloom is of unusual coloring, fawn orange in the bud and the large full blooms are of a peculiar pink overlaid with salmon. Each \$1.00.

**Mary Hart.** Plant Patent No. 28. Mary Hart is a striking red sport of Talisman, buds maroon red, opening to well formed blossoms of deep velvety red with an overflow of amber. Each \$1.00.

**Texas Centennial.** Patent No. 162. Color is blood red toning to cerise red in center. Most striking new red of unusual color. Each \$1.00.

### FLOWERING SHRUBS

**Almond.** In full bloom before leaves appear. Dwarf growth. Double white and double pink flowers. 2 to 3 feet. 75c to \$1.00. Add postage.

**Althea (Rose of Sharon).** Bloom late in August and September, with a profusion of large bright colored flowers. Each, 50c.

### BARBERRY, BERBERIS

**Common.** Sturdy, erect-growing shrub. Golden yellow flowers in spring, followed by bright scarlet fruits in autumn. Two to 3 feet, each, 50c; 3 to 4 feet, each, 75c.

**Japan Red Leaf.** A brilliant bronzy red. The heat of summer intensifies this color. 18 to 24 in. Each, 50c.

**Thunberg's Japanese.** Hardy, low-growing shrub, small, bright green leaves that turn to orange and yellow. Each, 35c, 50c, 75c.

**Purple.** A showy and effective shrub with purple leaves. Reddish purple berries in autumn. Each, 50c to \$1.00. Add postage.

### CRANBERRY, HIGH BUSH

Handsome, dense, brilliant green foliage, a rich setting for bunches of crimson berries. Each, 50c to \$1.00.

### DEUTZIAS

An ornamental shrub that is grown because of its profusion of snowy white flowers in spring or early summer.

**Lemoines.** Small, spreading shrub producing large white flowers. 12 to 18 inches, each, 50c; 18 to 24 inches, each, 75c.

**Pride of Rochester.** Blooms early. Double, white flowers. 2 to 3 feet, each, 35c; 3 to 4 feet, each, 50c. Add postage.

## DOGWOOD, CORNUS

**Dogwood (Cornus).** The shrubby dogwoods are mainly valuable for the brilliancy of their barks and berries.

**Sibirica.** Clusters of fine white flowers in summer, succeeded by ornamental berries in fall. Each, 35c, 50c and 75c.

**Lutea.** A striking yellow-branched form of *Stolonifera*. Ea. 75c.

**Elegantissima.** Variegated, silver-leaved. Each, 75c.

## FORSYTHIAS

One of the first plants to flower in early spring, blooming before the leaf buds burst on other plants in exquisite splendor.

**Fortunei.** Bark bright yellow. Dense masses of golden flowers. 2 to 3 feet, 35c to 50c; 3 to 4 feet, 75c.

**Fragrantissima, Winter Honeysuckle.** Very early sweet-scented flowers. Almost evergreen foliage. 35c to 75c.

**Morrowi, Morrow Honeysuckle.** Five to 6 ft. Pure white flowers and blood-red fruit. 35c to 75c.

**Rosy Tartarian Honeysuckle.** Variety with rosy-pink flowers and red fruit. 35c to 75c.

Add postage on all nursery stock.

## HYDRANGEA



**Hills of Snow or Snowball Hydrangeas.** A profusion of snow-white clusters of flowers decorating the plant most of the summer. Each, 50c, 75c, \$1.00.

**Paniculata Grandiflora, Large Flowered.** Flowers pure white, changing to pink, borne in clusters, July until October. 18-inch, 50c; 24-inch, 75c; 30-inch, \$1.00; add postage.

## LILAC

**Common (Purple or White).** Hardy and extra fragrant, flowering in May and June.

**Persian Lilac (Purple).** Blooms a good deal more than the Common, and has smaller leaves. Does not sprout as much from the roots.

**Lilac (French Grafted).** There is no comparison between our common Lilac to those of the French Hybrids in the texture, size, color tones, fragrance and luster of the blooms.

**Charles the Tenth.** Dark lilac-red, single.

**Ludwig Spaeth.** Large panicles of dark red flowers.

**Michel Buchner.** Pale lilac, large and very double.

**Mme. Lemoine.** Double with very large white flowers.

All Lilacs, 75c to \$1.50.

## QUINCE, FLOWERING

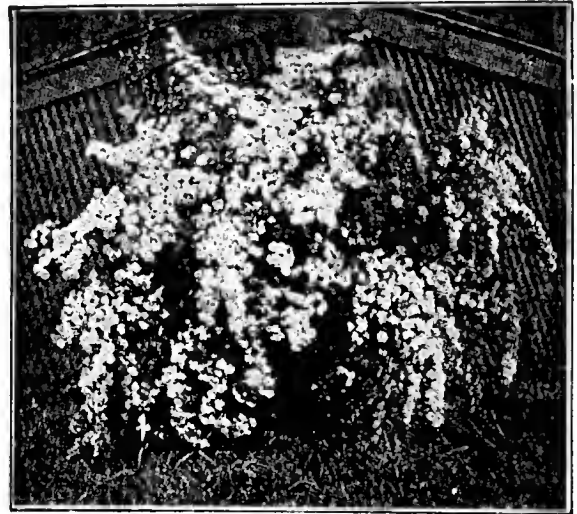
**Quince, Japan or Flowering (Cydonia Japonica).** In early spring are hidden by a wealth of scarlet flowers. 12 to 18 inch, 50c; 18 to 14 inch, 75c; 2 to 3 feet, \$1.00.

## SNOWBALLS

**Common.** Large, globular clusters of white sterile flowers blooming in May. 50c, 75c, \$1.00.

**Double Japanese (Plicatum).** One of the most charming hardy flowering shrubs in existence; bears great wreaths and clusters of pure white globular masses of flowers. Grows 4 to 6 feet high. Two feet, each, \$1.00.

## SPIREAS



**Anthony Waterer.** Covered nearly the whole growing season with large umbels of deep crimson flowers. 35c, 50c, 75c and \$1.00.

**Prunifolia (Bridal Wreith).** Slender erect-grower, having beautifully colored foliage, and bearing very early in the spring small double white flowers. Two feet, 60c; 3 feet, 75c.

**Thunbergi.** Low-growing of compact form, with delicate light green foliage which colors up beautifully in the fall. Small white flowers in great profusion, early in the spring. 50c, 75c.

**Van Houttei.** A beautiful ornament for the lawn. When in flower it is a complete fountain of white bloom. Two feet, each, 25c; 3 to 4 feet, each, 50c, \$1.00. Add postage.

## SYRINGA or MOCK ORANGE

**Gordonianus.** Late bloomer. Large, fragrant, white flower. Two feet, each, 50c; 3 feet, each, 75c.

**Grandiflorus.** Good large flowered, strong growing sort. Two to 3 feet, 50c; 3 to 4 feet, 75c; 4 to 5 feet, \$1.00.

**Virginalis.** The double, semi-double and single flowers are large, handsome and fragrant. Two to 3 feet, 75c.

## WEIGELIAS

**Eva Rathke.** A free flowering bright red variety of rather dwarf habit. 50c and \$1.00.

**Rosea.** The old standard, strong growing, pink flowered variety. 35c to 75c.

**Rosea Variegata (Variegated).** Valuable for the clearly defined variegation in its leaves of green, yellow and pink. Flowers light pink and blush. Each, 50c and 75c. Add postage.

## SPECIAL MAILING SIZE

**BARBARY, Japanese**

**FORSYTHIA, Fortunei**

**HONEYSUCKLE**

**HYDRANGEA, Grandiflora**

**SPRIEA, Van Houttei**

**SYRINGA, Grandiflora**

**WEIGELIA, Rosea**

**3 for 50c; 7 for \$1.00**

Add 10c for Postage

## HEDGE PLANTS

**English Privet.** Plant in double row 2 feet apart, 6 inches between plants. 15 to 18 in., 10 plants \$1.00, per 100, \$7.50; 18 to 30 in., 10 plants \$1.25, per 100, \$10.00.

**Golden Privet.** Beautiful variegated shrub used to plant in among evergreens. Gives wonderful effect. \$1.00 each. Add postage as per instructions under nursery stock.

The following shrubs can be used for beautiful hedges and screens: Privet, Barberry, Forsythias, Honeysuckle, Hydrangeas, Lilacs, Spireas. Write for prices stating quantities.



# FRUIT

## BLACKBERRIES

### BUSH

Two year old: Each, 20c, 3 for 50c; doz. \$1.50; 50, \$5.50; 100, \$10.00; add postage.

**Blower.** Fruit large, jet black, good shipper, hardy, productive and of finest quality.

**Early Harvest.** Its earliness, combined with good shipping qualities, make it very profitable. Compact dwarf grower.

### VINING

Price, two year old: Each, 20c, 3 for 50c; doz. \$1.50; 50, \$5.50; 100, \$10.00; add postage.

**Himalaya Giant.** Hardy, and thrives even under severe conditions. Fruit large, handsome and fine quality.

**New Mammoth.** Strong grower of trailing habit, enormously productive; very early, fruit enormous, core soft and small.

## BOYSENBERRY

Jet black, sweet and firm, it has a raspberry-like flavor even when canned and makes excellent pies. 2 year old, 20c; 3 for 50c; doz. \$2.00.

## YOUNGBERRIES

A cross between the Dewberry and Loganberry. Berries larger than loganberries, purplish black and similar to raspberries in flavor. Very vigorous grower, begins bearing at an early age. The above two berries, 20c each; 3 for 50c; 12 for \$2.00.

## CURRENTS

### RED

**Cherry.** Very large, deep red; fine for preserving; valuable market variety.

**Perfection.** Beautiful bright red, largest size, fine bunches on long stems, permitting easy picking, without crushing.

### WHITE

**Grape.** Very large; yellowish white; very mild acid; excellent quality and valuable for the table.

All Currants: One year old, each, 25c; doz. \$2.00. Two year old, each, 35c; doz. \$3.00.

Owing to Federal quarantine, currants cannot be shipped after April 1 and before November 1.

## GOOSEBERRIES

**Oregon Champion.** Berries very large, pale green; sweet, fine, bush strong, prolific bearer. This is the standard.

**Red Jacket (Josselyn).** Large, smooth, prolific and hardy; best quality.

One year old, each, 25c; doz. \$2.00. Two year old, each, 35c; doz. \$3.00; add postage.

Owing to Federal quarantine, gooseberries cannot be shipped after April 1 and before November 1.

## RASPBERRIES

### BLACK

Two year transplants. Each, 15c; doz. \$1.50; 50, \$5.50; 100, \$10.00; add postage.

**Cumberland.** Fruit very large, firm, keeps and ships as well as any of the blacks. The most profitable market variety.

**Plum Farmer.** The berries are thick-meated and firm. Large and very attractive when picked.

## DEWBERRIES

The most dependable of all dewberries. Fine flavor. Price each, 15c; doz. \$1.50; 50, \$5.50; 100, \$10.00; add postage.

### RED

## DISEASE-FREE RASPBERRY PLANTS

(State Inspected)

Each 15c, 12 for \$1.00, 100 for \$7.50.

**The New Chief.** Chief is a big berry, of very fine quality, bright red, and a most heavy bearer.

**Latham.** More money can be made growing red raspberries for market than from any other farm crop. The Latham is the greatest red raspberry every introduced.

**St. Regis.** Everbearing. Very popular for home use, as they fruit continuously. Each 15c; 12 for \$1.25; 100 for \$8.00.

## GRAPES

### BLACK

**Campbell's Early.** This variety is recommended very highly on account of its earliness and other good qualities.

**Concord.** Very extensively planted. Bunch and berries medium size; black; good keeper. Vine hardy and productive.

**Moore's Early.** Bunch large; fruit large; round, black, with heavy boom. Best early variety, hardy and productive.

### GREEN

**Moore's Diamond.** Bunches large; berry greenish white, flesh juicy; almost without pulp.

**Niagara.** Very hardy, strong grower; bunches large, compact. Berries large, round, light greenish white, semi-transparent.

### RED

**Agawam.** Large berries, pulp soft and sweet, early.

**Delaware.** Bunches small, compact; berries rather small, round, thin skin, light red; flesh juicy, sweet, good.

**Large Varieties.** Tokay, Muscat and Malaga.

	Each	Doz.	25	50	100
Campbell's, 2 years.....	\$0.30	\$3.00	\$5.00	\$8.00	\$15.00
Concord, 1 year.....	.15	1.50	2.50	4.25	7.50
Concord, 2 years.....	.20	2.00	3.50	5.50	10.00
All other varieties—					
1 Year .....	.20	2.00	3.50	5.50	10.00
2 Years .....	.30	3.00	5.00	8.00	15.00

Add postage.

## LOGANBERRIES

The loganberry is larger than the blackberry. Color dark red and produced in immense clusters. Two year old, each, 20c; 3 for 50c; add postage.

## APPLES

### SUMMER VARIETIES

Two and 3 yr. old, each, \$1 to \$1.50. 1 year old, 5 feet, each, 75c; doz. \$7.50. 1 year old, 4 feet, each, 60c; doz. \$6.00. 1 year old, 3 feet, each, 50c; doz. \$4.50. Write for price on 50 and 100 lots.

**Early Harvest.** Medium, pale yellow, tender, juicy.

**Yellow Transparent.** Earliest and best; white, tender, juicy. Grows rapidly; bears young; makes a profitable "filler."

**Red June.** A brilliant red variety. Its distinct flavor has made it popular.

### FALL VARIETIES

**Duchess.** Rather large; light red streaks on yellow ground; tender and juicy; very hardy. Handsome appearance.

**Snow (Fameuse).** Medium size; bright red deepening to almost purplish black in highly colored specimens; flesh white, juicy.

### WINTER VARIETIES

**Banana.** Large and showy; yellow, with pinkish red blush; flesh tender, heavy bearer.

**Delicious.** Large; brilliant dark red; flesh fine grained, crisp, juicy with a delightful aroma; splendid keeper and shipper.

**Delicious Red.** A solid red and retains all the good qualities of the original Delicious.

**Jonathan.** Red and yellow, tender, juicy and rich. Very productive; one of the best for table and market.

**Red McIntosh.** Large deep crimson, highest quality, juicy subacid. Good for both culinary use and dessert.

**Rome Beauty.** Dark red striped, large excellent quality; a market favorite, bringing good prices. Late bloomer.

**Stayman Winesap.** Medium size; flesh fine, crisp, and high-flavored.

**Wagener.** Medium to rather large; beautiful bright red.

## APPLES, CRAB

**Transcendent.** Largest of the crabs; striped red, showy, excellent and very handsome. Hardy and strong grower.

**Siberian, Red.** Small, bright red, covered with light bloom; fine flavor, excellent for preserving. Ripens September.

**Siberian, Yellow.** Large, beautiful, golden yellow. September and October. Same price as apples.



**APRICOTS**

One year, 3 to 4 feet, each, 50c; doz. \$5.00. One year, 4 to 5 feet, each, 75c; doz. \$7.50. Two and 3 years old, each, \$1.00.

**Moorpark.** Very large; orange with reddish cheek; flesh orange, sweet, juicy, with fine flavor; very valuable. Ripens early.

**Royal.** Medium size, oval, sweet yellow, tree productive; excellent drying and canning variety. Ripens in July.

**Tilton.** Large, flesh firm, yellow, decidedly freestone. Tree vigorous, regular and heavy bearer.

**CHERRIES****SOUR**

Two and 3 year old selected, each, \$1.00 to \$1.50. One year old, 4 feet, each, 75c; doz. \$7.50. One year old, 3 feet, each, 60c; doz. \$6.00.

**Early Richmond.** Medium, dark red, melting, juicy, sprightly, rich acid, best. June.

**Late Duke.** Large, light, red, delicious fruits. Tree strong and upright, exceedingly productive. July.

**May Duke.** Large, red, juicy, rich. June. Not so sour as some varieties, and very pleasant for sensitive teeth.

**Montmorency.** Large red, acid, exceedingly productive. Late.

**SWEET**

Two and 3 year old selected, each, \$1.00 to \$2.00. One year old, 5 to 6 feet, each, 85c; doz. \$8.50. One year old, 4 feet, each, 75c; doz. \$7.50. One year old, 3 feet, each, 60c; doz. \$6.00.

**Bing.** Very large; dark brown, almost black; flesh firm, rich and delicious. Immense size; good shipper.

**Lambert.** Large size and fine quality; deep, rich red, almost black; flavor unsurpassed. Best shipping variety.

**Royal Ann.** One of the best known cherries. Very large, firm, rich red and white; good for table or canning.

**PEACHES**

Two year old, each, \$1.00 to \$1.50. One year old, 4 to 5 feet, each, 75c; doz. \$7.50. One year old, 3 feet, each, 50c; doz. \$5.00.

**Alexander.** Medium, greenish white, nearly covered with rich red; melting, juicy, sweet. July.

**Crawford's Early.** A large yellow peach of excellent quality. Its size and beauty make it one of the most popular varieties.

**Elberta.** The great market peach. Large, handsome; orange-yellow, nearly overspread with red, much mottled.

**J. H. Hale.** Large size, fine quality, red cheek, yellow meated freestone, ripening with Elberta.

**PEARS**

Two and 3 year old, each, \$1.00 to \$1.50. One year old, 5 to 6 feet, each, 85c; doz. \$8.50. One year old, 4 feet, each, 75c; doz. \$7.50. One year old, 3 feet, each, 50c; doz. \$5.00. Write for prices on 50 and 100 lots.

**Bartlett.** Large, buttery, juicy, high-flavored. This sort has long been considered one of the choicest canning varieties.

**Flemish Beauty.** Large, surface slightly rough; greenish yellow and brown; flesh very rich and sweet; tree hardy.

**Seckel.** Small, but handsome and delicious; yellowish russet with a red cheek; flesh whitish, buttery, very juicy.

**PLUMS**

Two or 3 year old selected, each, \$1.00. One year old, 4 to 6 feet, each, 75c; doz. \$7.50. One year old, 3 to 4 feet, each, 50c; doz. \$5.00.

**Bradshaw.** Very large, oval; dark violet red; juicy, sweet and good. A valuable market variety. August-September.

**Damson.** Small, roundish oval; dark purple; favorite for preserves. September.

**Peach.** Large, roundish; brownish red; coarse grained, but juicy. Ripens July. Ranks first in popularity.

**PRUNES**

Two and 3 year old, each, \$1.00. One year old, 6 feet, each, 75c; doz. \$7.50. One year old, 3 to 4 feet, each, 50c; doz. \$5.00.

**Italian.** Good size, purple, juicy, delicious, best for drying; separates freely from the stone.

**French or Petite.** Medium to small, egg-shaped; violet purple; juicy, very sweet, rich and sugary. Prolific.

**Sugar, New.** Fruit ripens early; flesh tender and rich; color dark purple. Early, August.

**QUINCES**

**Champion.** A prolific, constant and early bearer, oval fruit of fine quality. Late. Two year old, 3 to 4 ft., each, \$1.00.

**CONIFEROUS EVERGREENS****ARBOR VITAE**

**American.** Native, known as cedar. Foliage bright green; yellow-green underneath; brown and bronze in winter. Each \$1.00 to \$5.00.

**Oriental.** Fine with close ascending branches of a fan-shaped appearance. Each, \$1.50.

**Pyramid Arborvitae.** Bright green leaves above and dark glossy green leaves beneath. An excellent tree where pyramid forms are desired. Each, \$1 to \$5.

**CEDAR, Red.** Native with striking form and beautiful color. Each, \$2.50.

**HEMLOCK, Western.** Very beautiful and appealing; branches are pendant and foliage deep green. Each, \$2.

**JUNIPER, Common.** Branches spreading. Fine trees.

**Irish.** Pyramidal in form, foliage silvery gray, very striking. Each, \$1.00 to \$5.00.

**SPRUCE, Colorado Blue.** This is one of the most popular of the spruces. Very showy and ornamental. Each, \$2.00 and up.

**Norway.** A lofty, rapid grower; branches drooping. Fine for hedge or windbreak. Each, \$1.00 and up.



Keeps dogs, cats, and other animals away from trees, evergreens, roses, shrubbery etc. Tube release vapor offensive to animals but not noticeable to humans. Non-poisonous. Small package, 15c; postpaid, 20c. Large package, 30c; postpaid, 35c.

**DOG SCAT** now comes in liquid form. Spray on shrubs, evergreens, etc. The odor is very repellant, remains on foliage a long time. 3 oz. bottle, 40c; postpaid, 45c.

**DECIDUOUS ORNAMENTAL TREES**

**BIRCH, European White.** Silvery white bark and slender drooping branches. Each, \$1.00 to \$2.50.

**Cut Leaf Weeping.** A rapidly growing, graceful tree. Bark and branches silvery white. Its leaves seemingly are ever in motion. Each, \$1.00 to \$5.00.

**ELM, Chinese.** A very rapid grower, adapted to semi-arid districts. Beautiful and graceful. Each, 50c, 75c, \$1.00 and up.

**FLOWERING CRAB, Betchels Flowering Double.** A medium sized tree of rather upright growth covered in early spring with large clusters of pink double flowers. Each, \$1.00 to \$1.50.

**HAWTHORNE (English), Pauls Double Red.** Rich brilliant scarlet red flowering tree. Fine for lawns. Each, \$1.00 to \$3.00.

**LINDEN, European.** A favorite for street and ornamental planting. Flowers fragrant and yellow. Each, \$2.50.

**LOCUST, Black.** Rapid grower; fine for street planting. Each, 50c, 75c, \$1.00, \$1.50, \$2.00.

**MAPLE, Norway.** Large, growth compact; foliage deep green. Handsome. 75c to \$3.00.

**MOUNTAIN ASH, European.** Very ornamental; handsome foliage turning orange red in the fall. 75c to \$3.00.

**WEeping Willow, Wisconsin.** Large glossy leaves and very pendulous habit. Each, 75c to \$1.50.

**Russian Golden.** The well-known common weeping willow. Each, 75c, \$1.00, \$1.50.

**HORSE CHESTNUT, White Flowering.** Foliage showy, flowers stand in upright panicles. Each, \$1.50 to \$3.00.



ARBOR VITAE

## FERTILIZERS

Write for prices on all fertilizers, stating amount wanted. Present quotations not guaranteed.

<b>BONE MEAL.</b> Steamed. Specially prepared as a fertilizer.	
Ton .....	\$2.70 per 100 lbs.
Less than ton .....	2.80 per 100 lbs.
Less than 1000 lbs. ....	2.90 per 100 lbs.
Less than 500 lbs. ....	3.00 per 100 lbs.
100 lbs. ....	3.25 per 100 lbs.

**GYPSUM (Land Plaster).** Is an untreated, ground, natural rock fertilizer, consisting mainly of hydrated calcium sulphate. Gypsum furnishes sulphur in available form. The rate of application is 200 to 500 pounds to the acre.

Results have indicated that it requires about four times as much gypsum as sulphur to give equivalent increases in yield.

Ton .....	70c per 100 lbs.
Less than ton .....	75c per 100 lbs.
Less than half tons. ....	85c per 100 lbs.
Less than 5 bags. ....	90c per 100 lbs.

**MURIATE OF POTASH.** The great importance of adding potash to some soils is well known. 50% Potash.

Ton .....	\$2.70 per 100 lbs.
Less than ton .....	2.80 per 100 lbs.
Less than 1000 lbs. ....	2.90 per 100 lbs.
Less than 500 lbs. ....	3.00 per 100 lbs.
100 lbs. ....	3.25 per 100 lbs.

**NITRATE OF SODA.** Contains 13 per cent Nitrate, in quickly available form. It is used for forcing crops like lettuce, celery, etc., as it makes a large growth of leaves and tops. Apply the Nitrate of Soda at the rate of 250 pounds per acre.

Ton .....	\$2.70 per 100 lbs.
Less than ton .....	2.80 per 100 lbs.
Less than 1000 lbs. ....	2.90 per 100 lbs.
Less than 500 lbs. ....	3.00 per 100 lbs.
100 lbs. ....	3.25 per 100 lbs.

**SULPHUR.** Studies show that about 5 or 6 pounds of sulphur per acre are brought down by the average rainfall of 21 inches, while a two-ton crop of alfalfa removes about 12 pounds of sulphur per acre.

Ton .....	\$3.00 per 100 lbs.
Less than ton .....	\$3.12½ per 100 lbs.
Less than 1000 lbs. ....	\$3.25 per 100 lbs.
Less than 500 lbs. ....	3.50 per 100 lbs.

**SULPHATE OF AMMONIA.** This contains 20 per cent nitrate and is used for the same purposes and in the same way as nitrate of soda, the only difference being that this has a higher percentage of nitrate.

Ton .....	\$2.50 per 100 lbs.
Less than ton .....	2.60 per 100 lbs.
Less than 1000 lbs. ....	2.75 per 100 lbs.
Less than 500 lbs. ....	3.00 per 100 lbs.

**SUPERPHOSPHATE.** This is a concentrated form of phosphoric acid. 18% phosphoric acid.

Ton .....	\$2.00 per 100 lbs.
Less than ton .....	2.10 per 100 lbs.
Less than 1000 lbs. ....	2.20 per 100 lbs.
Less than 500 lbs. ....	2.25 per 100 lbs.
100 lbs. ....	2.40 per 100 lbs.

**TRIPLE SUPERPHOSPHATE.** 45% phosphoric acid.

Ton .....	\$3.00 per 100 lbs.
Less than ton .....	3.10 per 100 lbs.
Less than 1000 lbs. ....	3.25 per 100 lbs.
Less than 500 lbs. ....	3.40 per 100 lbs.
100 lbs. ....	3.50 per 100 lbs.

**TANKAGE.** Use about 500 lbs. to acre for row application and about 1,000 lbs. broadcast. 4½ nitrogen, 7 phosphoric acid.

Ton .....	\$2.25 per 100 lbs.
Less than ton .....	2.35 per 100 lbs.
Less than 1000 lbs. ....	2.45 per 100 lbs.
Less than 500 lbs. ....	2.60 per 100 lbs.
100 lbs. ....	2.75 per 100 lbs.

### MIXED FERTILIZERS

This mixture is especially prepared for gardeners and orchardists who want a reliable fertilizer and is highly recommended for potatoes and garden crops generally, as well as for berries

and all sorts of fruit. Analysis: Nitrogen 5%, Phosphoric Acid 6%, Potash 8%.

Ton .....	\$2.50 per 100 lbs.
Less than ton .....	2.60 per 100 lbs.
Less than 1000 lbs. ....	2.70 per 100 lbs.
Less than 500 lbs. ....	2.85 per 100 lbs.
100 lbs. ....	3.00 per 100 lbs.

The following fertilizer analyzing 3.10.10 sells at same price as 5.6-8.

Prices of all fertilizers subject to change.

Please note that analysis on fertilizers may vary from figures here given as sometimes the different mixtures will vary somewhat, hence not guaranteed to be exactly correct.



All plants need food—carefully selected, scientifically prepared. Food that insures green, velvety, weedless lawns, beautiful, luxuriant flowers, healthy, disease-resisting trees and shrubs, and earlier maturing, health-giving vegetables.

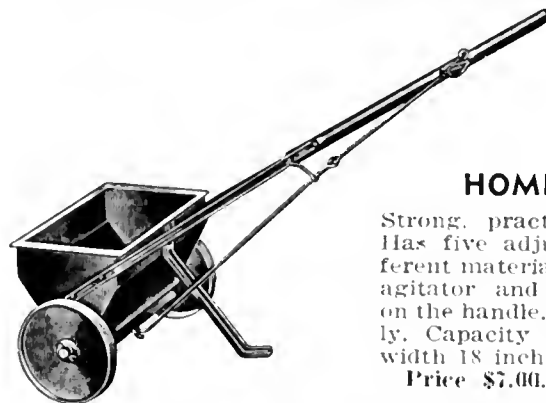
Half-starved lawns have a thin growth; often contain yellow spots; are frequently infested with dandelions and obnoxious weeds. Half-starved vegetables have poor color and quality and mature slowly. Half-starved flowers show under-developed blooms, deficient growth and lack of color. The best seeds and plants will not thrive in impoverished soils. But deficiencies can be remedied by feeding a plant food scientifically prepared.

**PLAN-TONE** is not an ordinary by-product fertilizer. It is not made from refuse. It is clean, odorless, free from weed seed and easy to apply. Notice its high analysis: Nitrogen 4%, phosphoric acid 20%, Potash 5%.

100 lb. bag. ....	\$3.50	10 lb. bag. ....	\$0.70
50 lb. bag. ....	2.30	5 lb. can. ....	.45
25 lb. bag. ....	1.40	1 lb. can. ....	.10

Add postage. Send for circular.

### FERTILIZER AND GRASS SEED DISTRIBUTOR



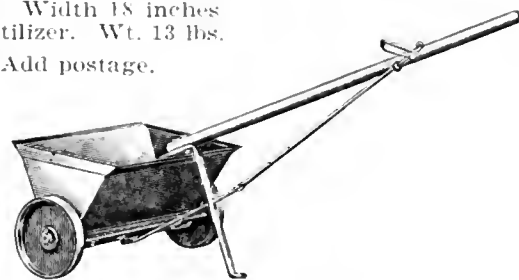
#### HOME LAWN

Strong, practical, dependable. Has five adjustments for different materials. Has revolving agitator and shut-off control on the handle. Distributes evenly. Capacity 25 lbs. fertilizer, width 18 inches, weight 20 lbs. Price \$7.00. Add postage.

#### BABY LAWN

Built after the pattern of Home Lawn but has only three adjustments: One for fertilizer, one for grass seed, and one for top dressing. Width 18 inches capacity 15 lbs. fertilizer. Wt. 13 lbs.

Price \$4.50. Add postage.



#### PERFECT DISTRIBUTOR

The strong, sturdy, tested manner of construction that has proved so satisfactory in the smaller machines in the past, has been rigidly adhered to in the construction of this larger and stronger distributor. Rotary agitator insures free and even flow. Quantity easily adjusted by control handle. Capacity hopper 65 lbs. to 75 lbs. fertilizer. Large strong disc wheels. Width 24 inches, weight 44 lbs. Price \$15.75. Add postage.

An inexpensive fertilizer spreader, distributes evenly. Made of especially strong fiberboard paper.

Price, 85c; postpaid, \$1.00



Plantabbs are small, clean tablets without odor. Nitrogen, ammonia, phosphoric acid and potash in proper balance. Especially good inside where smelly fertilizer cannot be used. Plant one tablet in each pot every two weeks. Box of 10 tablets, 10c; 30 tablets, 25c; 75 tablets, 50c; 200 tablets, \$1.00, postpaid.



PLANTABBS

### ADCO

Adco is a powder which when mixed with all kinds of vegetable refuse such as stalks, withered leaves, cabbage leaves, are converted into manure. The refuse is arranged in layers, saturated with water and then sprinkled with Adco.

Keep the heap moist and turn in the dry outside portions. In from three to six months the heap becomes converted into real manure of excellent quality. 7½ lbs. \$1.25; 25-lb. bag, \$2.50; add postage. Enough for 12 wheelbarrow loads of garden waste.



**INOCULATE ALFALFA,  
CLOVERS, VETCHES,  
PEAS AND BEANS  
WITH NITRAGIN**



Nitragin is not a dry inoculant, but contains 30% to 40% moisture and will readily adhere to the seed without the addition of water and produce splendid results. The use of water is recommended when mixing legume culture with seed.

#### Nitragin Prices, Postpaid—Alfalfa and Clovers

½ bu. size, inoculates 30 lbs. seed.....	\$0.30
1 bu. size, inoculates 60 lbs. seed.....	.50
2½ bu. size, inoculates 150 lbs. seed.....	1.00

#### Peas, Beans, Vetches

½ bu. size, inoculates 30 lbs.....	\$0.25
1 bu. size, inoculates 60 lbs.....	.40
5 bu. size, inoculates 300 lbs.....	1.70
12½ bu. size, inoculates 750 lbs.....	4.00
12½ bushel size for vetch and peas only.	

**New Garden Size, for garden peas, beans, sweet peas.**

Inoculates any amount up to 4 lbs. seed..... .10

When ordering specify seed you are going to inoculate.

## SEEDERS

### No. 4 Planet Jr.

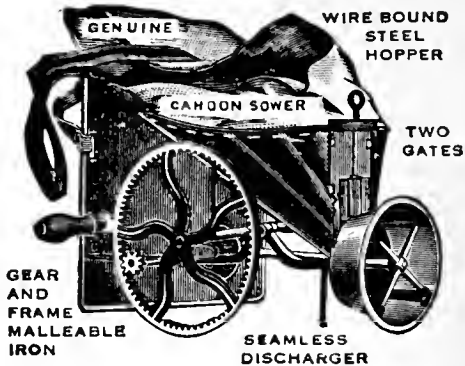
It combines in a single implement a first-class, hill-dropping seeder, a single wheel hoe or weeder, a cultivator and a plow. The hopper holds two quarts of seed, which can be sown in continuous rows, or dropped in hills, at 4, 6, 8, 12 or 24 inches apart. Price complete, \$18.75. Seeder only, \$14.75.

### No. 25 Planet Jr.

As a drill it is almost identical with the Planet Jr. No. 4 Drill, and is thoroughly substantial and accurate in sowing all kinds of garden seeds in hills or drills. Price, \$22.50.

### Genuine Cahoon

The Genuine Cahoon has malleable iron frame, double gate, speeded so that step of operator at an ordinary gait corresponds to one complete turn of the handle. Secure the genuine original Cahoon Seeder. Price, \$5.50; weight 8 lbs.; add postage.



**Wheelbarrow.** They run easily, and sow evenly in windy weather. The quantity of seed sown is accurately governed by the wheel, which moves correspondingly slow or fast as the machine runs over the ground. It has a strong steel wheel, 32 inches in diameter, with an inch and a quarter by one-quarter inch steel tire; 14-foot spread. Price, \$17.50.



Price, \$2.50; add postage.

### IMPROVED CYCLONE

The improved "Cyclone" is the only hand seed sower that is framed together with a slope feed board.

Automatic feed shut-off starts or stops flow of seed instantly. The improved "Cyclone" is guaranteed to sow perfectly all seed that can be sown broadcast, such as clover, timothy, millet, flax, wheat, oats, alfalfa, etc., etc. Weight 5 lbs.

## CULTIVATORS

### No. 17 Planet Jr.

Wheel can be placed on outside of wheel arm to work both sides of the row at one time. With the plow, all the necessary plowing, opening and closing of furrows for seed, fertilizer, etc., and hilling of plants can be done. Price, \$7.75.

### No. 19 Planet Jr.

**No. 19.** This attractive implement is especially designed for the farmer's garden work. The height of the handles can be changed to suit. Price, \$4.95.

### No. 12 Planet Jr.

No. 12 runs either astride or between the rows; kills all the weeds and leaves the earth in fine shape. Price, \$11.50.

### Planet Junior's Extras

Size—	Price Pair	Weight Pair
Hoes, 6 inch .....	\$1.30	3 lbs.
Hoes, 7½ inch .....	1.50	3 lbs.
Hoes, 9 inch .....	1.70	3 lbs.
Rakes, 3 teeth, pair .....	.90	2 lbs.
Rakes, 5 teeth, pair .....	1.50	2 lbs.
Rakes, 7 teeth, pair .....	2.00	3 lbs.
Cultivator teeth, each .....	.35	1 lb.
Plows for double wheel hoes, each pair.....	1.40	3 lbs.
Plows for single wheel hoes, each.....	1.15	3 lbs.
Double mould board plow.....	1.70	3 lbs.
Handles, per pair .....	1.25	3 lbs.

Add postage.



## HIGH WHEELED CULTIVATORS

**No. 1.** Handles made of hollow pressed steel 1x2 inches. 24-inch wheel, 1¼-in. tire. Hub 3¼ in. in width. Adjustable handles. Equipment: Mould-board, surface shovel, pointed shovel, three-shovel attachment, and wrench. Price, \$4.75.

**No. 2.** Handles made of hollow pressed steel 1x2 in., 24-in. diameter wheel, 1¼-in. tire. 3¼-in. hub. Equipment: Mould-board, surface shovel, pointed shovel, and wrench. Price, \$3.75.



## HAND PLOW

For hilling corn, potatoes, plants, etc. Covering furrows and making irrigation ditches. With an easy pull it digs in and works well in light or heavy soil.

**No. 200.** 6 in. wide, 5 ft. handle, weight 3 lbs. Price, \$1.75; add postage.

## GARDEN TOOLS

**PULL HOE.** A decided advantage in this hoe is that the soil flows through the hoe, thus leaving the soil finely mulched and an even surface. It weeds and cultivates in one operation.

**No. 1004.** 4 in. wide, 4½ ft. handle, weight 3 lbs. Price, \$1.10.

**No. 1005½.** 5½ in. wide, 5 ft. handle, weight 3 lbs. Price \$1.25. Add postage.

## CULTIVATOR HOES

Works between rows or center prong can be removed and rows straddled. 4½-foot handle. 5-prong, price, \$1.25, weight 5 lbs.; 3-prong, Price, \$1.00, weight 4 lbs.; 5-prong with head, no handle, \$1.00, weight 4 lbs.; 3-prong with head, no handle, 75c, weight 3 lbs.; prongs, 15c; add postage.

## LANG PATTERN WEEDER



No. 87

## PLANTERS

### CORN PLANTER

**No. 311 Segment.** Automatic slide type. Segmental pressed steel side, adjustable for number of kernels, running in segmental steel track. Chinese bristle brush cut-off. Double soil steel spring, adjustable depth gauge, fixed dump lever, galvanized hopper with hinged cover, galvanized seed spout. Can be used also for planting beans. Pumpkin seeds may also be planted by operator dropping seed into hole in spout. Weight, 5 lbs.

Price, \$2.00; add postage.

Springs, each, 25c.



No. 311



No. 306

### CORN PLANTER

**No. 306 Triumph.** The segmental slide is of pressed steel, adjustable to vary the drop. The jaws are of pressed steel securely riveted to hardwood sides, and the cover of hopper is also steel with hinges to fit over the top. The hopper, hopper bottom and conveyor tube are pressed steel, thus making the planter complete, without a casting in its construction. Weight 5 lbs. Price, \$1.20, add postage.

## POTATO PLANTER

**No. 301 Pingree,** is practically the same as the Acme Tubular without the tube down the handle. You lift the planter up and drop the potato in the lower part. It is light and a very satisfactory planter. Weight 5 lbs.

Price, \$1.10; add postage.



No. 303

## POTATO PLANTER

**No. 302 Self-locking Tubular.** The jaws are formed from bright steel dipped in a special preparation to prevent rust. The lock is secured by the front jaw slipping down ¾ of an inch, which causes a pair of studs on its upper corners to slip over corresponding shoulders in the rear jaw. When thrust into the soil to deposit the seed, the front jaw is pushed up, releasing the lock. Galvanized iron tapered conveying tube. Weight, 6 lbs.

Price, \$1.75; add postage.



No. 302

## POTATO PLANTER

**No. 303 Wire Tubular.** Strong hardwood handle, set into malleable iron socket securely riveted to back jaw. Foot plates provided on socket. Adjustable dump or depth gauge. Wire mesh conveying tube by which each seed can be seen when passing through the tube. Weight, 6 lbs. Price, \$1.60; add postage.

## MASTER'S RAPID PLANT SETTER

Each plant is SET, WATERED and COVERED in one operation without any stooping and no lame backs. A man simply walks along in an upright, comfortable position and will set from 8,000 to 15,000 plants per day and never have to bend his back. It does perfect work. The roots of each plant are put into the ground in a natural position and firmly set by the absorption of the water. Weight, 6 lbs. Price, \$6.00; add postage. Springs, each, 15c; add postage.



## AEROIL WEED BURNER

Has no equal for burning weeds, tree stumps, destroying insect pests, and 100 other uses. Railroads are using these very extensively to keep their right of way free from weeds.

**Complete Equipment Includes:** 4 gal. fuel and air tank, tested at 100 lbs. and made of copper-bearing, corrugated, galvanized steel, with seams and fittings WELDED; 2 in. BRASS AIR PUMP; BRASS check valve; PRESSURE GAUGE; 7 ft. high test oil-resisting RUBBER HOSE; seamless steel COIL BURNER, WINDSHIELD with BRONZE REGULATING VALVE. Fuels used: Kerosene, gasoline, stove oil, range oil or light furnace oil.

**No. 99 Sr.** 21 lbs. Price .....\$20.00

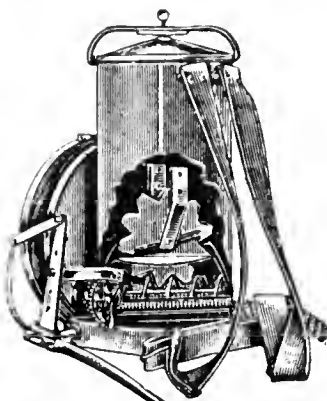
**No. 99 Jr.** 16 lbs. Price ..... 15.00

Add postage. Only difference in burners is size.

## DUSTERS

### AMERICAN BEAUTY

The World's Finest  
One-Man Duster



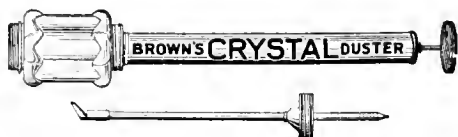
When dusting is to be well done and a great deal depends on perfect protection from insect pests and disease, the supremacy of the American Beauty has never been questioned.

Its high quality, stability and perfect performance make it ideal for growers of valuable crops.

Price, \$22.00. Weight, 18 pounds. Add postage.

The Duster Brown measures 20 inches overall; one-half pint capacity. Dust receptacle is removable and equipped with screened discharge tube. Each, 60c. Mailing weight 1 lb.; add postage.

22A—Similar to the Duster Brown. 11 in. long and is equipped with a screen discharge tube. Each, 30c. Mailing weight, 1 lb.; add postage.

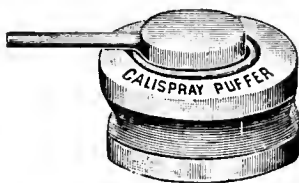


40 inches in length; visible glass jar; angle nozzle. Discharge tube screened to hold back lumps. Large  $1\frac{3}{4}$  in. pump permits large blast of air. One quart capacity. Each, \$1.25. Mailing weight 3 lbs.; add postage.

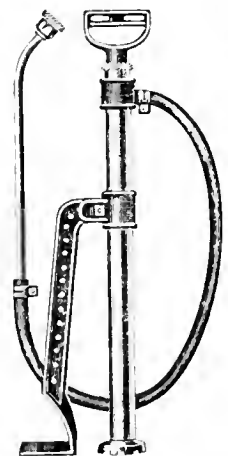
27A—Similar in construction to the Crystal;  $1\frac{1}{2}$  pint capacity. Each, \$1.00. Mailing weight, 2 lbs.; add postage.

### CALISPRAY PUFFER

Most powerful dust puffer built. Made of metal with heavy bellows. Ideal for applying flea, fly, moth, or insect powders. Easy to fill. Holds two ounces. Throws cloud 4 to 6 feet. Price, 50c; postpaid, 55c.



## PUMPS



No. 1310 is a double acting continuous high pressure pump and discharges two quarts per minute. Handles all the ordinary spraying material such as whitewash, cold water paints, insecticides, etc.

Equipment—3 feet of  $\frac{3}{8}$ -in. high pressure spray hose, 12-in. brass extension rod, brass nozzle with interchangeable discs. Dasher type agitator and malleable iron foot rest. Price, \$3.45. Weight 6 lbs.; add postage.

No. 1340. A high pressure bucket pump with agitator. By removing inner or breaker disc, a forceful solid continuous stream may be maintained. Equipped with 3 feet  $\frac{3}{8}$ -in. high pressure hose, 12-in. brass extension rod, fitted with nozzle cap with interchangeable discs for fine or coarse spray or solid stream. Price, \$5.95. Weight 10 lbs.; add postage.

### ARNOLD GARDEN HOSE SPRAYERS

The Arnold Standard Sprayer consists of a non-leak shut-off, a transparent cartridge chamber with metal threaded ends and a 12-inch extension spraying nozzle. All metal parts chromium plated.

#### PRICES

Sprayers and Parts  
Arnold Standard  
Sprayer .....\$3.50  
Arnold Special Sprayer  
(brass finish instead  
of chromium  
plated) .....\$2.50  
26-inch Angle  
Extension .....\$1.50  
36-inch Straight  
Extension .....\$1.50  
36-inch Straight Extension (brass) .....\$1.25



Transparent Cartridge Chamber and Coupling,  
chromium plated .....\$1.25  
Transparent Cartridge Chamber only .....\$1.00  
Mailing weight of sprayer, 2 lbs. Add postage.  
Add 5c postage on extensions.

## CARTRDIGES

Arnold cartridges are made in the following solid soluble forms. Under normal conditions each Arnold cartridge makes the equivalent of five to six gallons of spray.

**ARSENATE OF LEAD SPRAY**—For controlling codling moth.

**BORDEAUX SPRAY**—For controlling leaf spot, black spot, stem spots, and fruit rot.

**NICOTINE SPRAY**—For controlling thrips, leaf hopper, mealy bug, fern scales, aphids, and ants.

**PLANT FOOD SPRAY**—A balanced fertilizer consisting of Nitrogen, Phosphoric Acid, and Potash.

**PYRETHRUM SPRAY**—For control of blister beetle, thrips, Japanese beetle, cutworm, aphids and leaf hopper.

**ROTENONE**—For control of Mexican bean beetle, striped cucumber beetle, and red spider.

**SULPHUR SPRAY**—For controlling mildew, rust, scab, brown rot, and red spider.

All of the above cartridges—35c each, six for \$2.00.

Mailing weight of cartridges, 1 lb. Add postage.

## SPRAYERS — COMPRESSED AIR



No. 546. Self-filling funnel attached top. Screw top tank. All edges rolled. Side seams completely riveted and sweat soldered. Brass extension rod; 24 in. of  $\frac{1}{8}$ -in. spray hose. Made to stand 150 pounds pressure.

Specifications. Tank,  $7\frac{1}{4}$  in. diameter by 16 in. high. Made of galvanized aluminum finish. Capacity,  $2\frac{1}{2}$  gallons. Pump,  $1\frac{1}{4}$ x12 in. Seamless copper tubing. \$3.50; 9 lbs.; add postage.

No. 505. A very popular model of high pressure. Screw top tank, brass plug and collar. Tank, self-filling,  $7\frac{1}{4}$  in. x 21 in. Funnel top. Pump, seamless copper tubing  $1\frac{1}{4}$  in. x 14 in. Fitted with brass nozzle head and automatic shut off. Pump made of galvanized steel. Capacity  $3\frac{1}{2}$  gallons. Weight 9 lbs. Price, \$4.00; add postage.

No. 3D—3 gallon capacity. Open head type. Heavy steel tank. 2 inch seamless brass pump. Brass valve. Each \$5.50. Mailing weight 12 lbs. Add postage.

## SPRAYERS — HAND



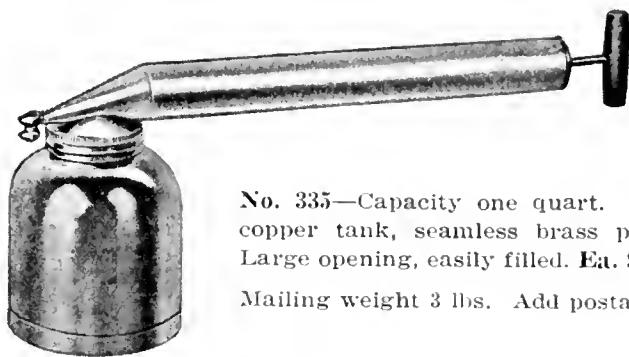
No. 14—Quart. Most excellent sprayer for use in home garden. Large opening. Easily filled. Each 40c.

Mailing weight 1 lb. Add postage.

Twin Blast—Quart size, glass jar, tin pump. Double spray jets. Each 65c. Mailing weight 3 lbs. Add postage.

**CONTINUOUS**

No. 315—Quart sprayer. Tin. An all purpose sprayer. Ea. 75c.  
Mailing weight 2 lbs. Add postage.



No. 335—Capacity one quart. Solid copper tank, seamless brass pump. Large opening, easily filled. Ea. \$1.50.  
Mailing weight 3 lbs. Add postage.

**NOZZLES**

**Bordeaux.** The handle is built close down to the body and is shaped so as to avoid catching in the branches. Easily adjustable for fine or coarse streams or fine spray. Price, 60c; postpaid, 70c.

**Adjustable Nozzle.** Can be adjusted to any angle. Each, \$1.00; postpaid, \$1.05.



With the patented feature the shut-off is always at discharge regardless of what length of pole is used. This eliminates use of stop-cock. Nozzle seats are brass, not rubber.

No. 176 Nozzle.  $\frac{1}{8}$ -in. pipe for  $\frac{3}{8}$ -in. hose. \$1.50; postpaid, \$1.60.

No. 176 Nozzle.  $\frac{1}{4}$ -in. pipe for  $\frac{1}{2}$ -in. hose. \$1.50; postpaid, \$1.60.

Angle Nozzle only, No. 168, 75c. Straight Nozzle only, No. 166, 75c; postpaid, 80c.

**HOSE**

**SPRAY.** Made with a special inner liner not affected by the action of ordinary spray material. A very superior quality. Cheaper grades not handled.  $\frac{3}{8}$ -inch, 15c per foot.

**GARDEN.** Coupled, ready to attach to your lawn connection;  $\frac{3}{8}$ -inch. The different grades herewith quoted are special quotations and are exceptionally good values.

Premier. 50 feet. Weight 13 lbs. Price, \$3.25.

Premier, 25 feet. Weight 7 lbs. Price, \$1.85.

Neptune. 50 feet. Weight 14 lbs. Price, \$5.50.

Neptune. 25 feet. Weight 8 lbs. Price, \$3.00.

Add postage to quotations on all hose.

**INSECTICIDES, FUNGICIDES**

As the use of insecticides and fungicides are beyond our knowledge and control and involving elements of risk to vegetation, we do not make any warranty, expressed or implied, as to the effect of such use whether or not used in accordance with directions or claims so to be.

Write for prices, stating size and quantity wanted, as following quotations are not guaranteed.

**SPRAY MATERIALS**

As it is impossible to quote definite prices on insecticides at present, these quotations are not guaranteed.

Write for prices.

Safe delivery on Insecticides not guaranteed.

**ALL ROUND SPRAY**

A triple service product composed of the popular remedies for the three major classifications of pests.

Nicotine Sulphate, to control sucking insects such as aphids (plant lice), thrip and leaf hopper.

Arsenate of Lead, to destroy the chewing insects, slugs, beetles, caterpillars, worms.  
Bordeaux Mixture, to prevent blight and fungous diseases.

$\frac{1}{4}$  lb. 25c; add postage.



Against sucking insects, such as Green and Woolly Aphis, Pear Psylla, Grape Leaf Hopper, Pear Thrips, etc., one part "Black Leaf 40" to about 900 to 1,000 parts water.

Against more resistant plant lice, such as Black Aphis and Rosy Apple Aphis, one part "Black Leaf 40" to about 500 to 700 parts water.

1-oz. bottle, 35c; 5-oz. bottle, \$1.00; 1 lb. \$2.25; 2 lbs. \$3.25; 10 lbs. \$10.60. Add postage.

**ARSENATE OF LEAD**

Write for price, stating size and quantity wanted.  
Quotations not guaranteed.

**Dry Powder Arsenate of Lead:** Use 1 pound to  $1\frac{1}{2}$  pounds to 50 gallons of water when applied to control codling moth or other chewing insects. For potato beetles and other insects that are hard to kill use 2 to 3 pounds to 50 gallons of water.  $\frac{1}{2}$  lb. 20c; 1 lb. 35c; 4-lb. pkg. 75c; case, 48 lbs., \$7.50; Add postage.

**WEED KILLERS**

**Atlacide Non-Poisonous Weed Killer Duster** exterminates all undesirable vegetation including Poison Ivy, Canada Thistle, Johnson Grass, etc., without danger of poisoning humans or animals. 100-lb. drum kills 10,000 sq. ft. of weeds. Put up in 5 and 15-lb. packages.

Sodium Chlorate put up only in 100-lb. drums. Write for prices.

**BLUESTONE**

Used successfully in winter sprays, also used largely for the treatment of wheat to prevent smut. Use 1 pounds to 5 gallons of water. 1 lb. 15c; 2 lbs. 25c; 10 lbs. \$1.00. Add postage. If wanted in 100-lb. or barrel lots, market price.

**BORDEAUX MIXTURE**

Widely used to control fungous diseases such as Peach Curly Leaf, Peach Blight, Pear Scab, Strawberry Rust, Potato Blight. It stays in suspension well, adheres to the foliage and can be used in combination with Paris Green, Arsenate of Lead or other insecticides. 1 lb. 30c; 4 lb. pkg. 50c. Add postage.

**BOTANO DUST**

A high strength Rotenone dust useful in controlling certain Aphids, Thrips, Worms, Beetles, Spittle Bugs on vegetables where a non-poisonous residue is desired. Price per lb., 35c; 4 lbs., 75c. Mailing weight, 2 and 5 lbs.; add postage.

**Two Types of Insects**

There are two types of insects—chewing, which eat the leaves and blossoms; sucking, which suck the sap from leaves or stems. EVER GREEN kills both chewing and sucking insects. The sucking insects must be killed by "contact". Chewing insects can be killed by spraying insecticides on the leaves that they feed on.

Non-poisonous. Non-injurious to plants or animal life.

1-oz. bottle, 35c; postpaid, 45c. 6-oz. bottle, \$1.00; postpaid, \$1.10. 16-oz. bottle, \$2.15; postpaid, \$2.25. Gallon can, \$12.20; postpaid, \$12.50. Safe delivery not guaranteed on glassware.

**GRAPE DUST, HAMMOND'S**

To prevent mildew on roses, grapes and gooseberries. Lb. pkg. 45c; 5-lb. pkg., \$1.50. Mailing weights, 2 and 6 lbs; add postage.

**OIL SPRAY, DORMANT**

Directions. For San Jose Scale, Oyster Shell Scale, Aphids, and to prevent hatching of Brown Mite and European Red Mite, one quart makes 6 gallons. Apply just before buds open.

Gallons, \$1.00, weight 10 lbs.; quarts, 50c; weight 3 lbs; add postage. 5-gallon can, \$3.00.

**OIL SPRAY, SUMMER**

Directions. For Red Spider, Aphids, Scale Insects, etc., on shrubbery, ferns, potted plants, nursery stock, deciduous and citrus trees, use 1 quart to 12 gallons water, or 5 tablespoonfuls to 1 gallon. For Mealy Bug use 1 quart to 8 gallons of water or 8 tablespoonfuls to 1 gallon.

Gallons, \$2.00, weight 10 lbs.; quarts, 75c, 3 lbs.; pints, 50c, 2 lbs.; add postage. 5-gallon can, \$5.00.

**PARIS GREEN**

Paris Green is effective against all chewing insects. Price, 1/8s, 20c; 1s, 60c; 5 lbs. \$2.50. Not mailable.

**SLUG SHOT  
HAMMOND'S**

For destroying slugs, cabbage and turnip flea, currant worms, etc. Lb. pkg. 30c; 5-lb. pkg. \$1.25; add postage.

**SULPHUR, DRY LIME**

Containing Other Compounds

1 lb. ....	\$ .35
5 lbs. ....	1.25
12 1/2-lb. bag. ....	1.50
25 lbs. ....	2.75

Add postage.

Directions. From 10 to 12 pounds of Dry Lime Sulphur dissolved in 50 gallons of

water should be used as dormant spray against scale, red spider, etc., 2 to 3 pounds to 50 gallons of water in combination with the usual proportion of Dry Arsenate of Lead for summer spraying on all seed fruits.

**SULPHUR, GARDEN**

A superfine powdered sulphur suitable for use as a dust or as a liquid spray to control powdery mildew, apple scab, brown rot, red spider, etc. 2-lb. carton, 25c; 5-lb. carton, 50c. Add postage.

**SULPHUR**

For making lime sulphur solution.

Ton .....	\$3.00	per 100 lbs.
Less than ton .....	\$3.12 1/2	per 100 lbs.
Less than 1000 lbs. ....	3.25	per 100 lbs.
Less than 500 lbs. ....	3.50	per 100 lbs.

**TOBACCO DUST, BULK**

For green and black aphids, fleas, beetles. 1 lb. 15c; 2 lbs. 30c; 10 lbs. \$1.10; 25 lbs. \$2.50; 50 lbs. \$4.50; 100 lbs. \$7.50. Sealed packages, 2 lbs. 35c; 10 lbs. \$1.25. Add postage.

**VOLCK**

"Garden Volck" is used to control Aphids, Thrips, Scale, Mealy Bug, Red Spider, White Fly, Lace Wing Bug, Cyclamen Mite, Greenhouse Orthozia, Leaf Miner, Squash Bug, Leaf Hopper, Small Caterpillars, Leaf Spot, Mildew. 3 1/2 oz. 35c; pint, 85c; quarts, \$1.25. Add postage.



"Greenhouse Volck" is a special "Volck" for use on tender plants under lath or glass. It is exceptionally safe to tender foliage. Unusually effective against Mealy Bug. Also controls Scale, White Fly, Red Spider, etc. Gallon, \$2.00; 5 gallons, \$5.00.

"Nursery Volck" is the high quality Mineral Oil Spray for general nursery and garden use, and is recommended for the same pests as Garden Volck with the exception of Aphids, Thrips, Small Worms and Bugs. Pint, 50c; quart, 75c. Add postage.

**WHALE OIL SOAP**

A full strength liquid whale oil soap. Soluble in hard or soft water. Used as a spreader for Black Leaf 40 and other sprays. Quart, 50c; gallon, \$1.25; add postage.



All quotations on spraying material subject to change. If you want a quantity write for prices.

**DISINFECTANTS**

Smutty Wheat. The United States Department of Agriculture reports the following number of carloads graded as smutty:

	Number Inspected	Number Smutty	Per Cent Smutty
Longview .....	1,886	228	12.1
Pasco .....	811	57	7.0
Seattle .....	7,221	521	7.2
Spokane .....	12,018	795	6.6
Tacoma .....	8,580	450	5.2
Vancouver .....	4,184	461	11.0
Walla Walla .....	208	37	17.8

This report covers the receipts during July 1, 1937, to June 30, 1938.

**CERESAN — NEW IMPROVED**

Barley. Stripe and covered smut are usually eliminated by the use of this simple dust treatment. Ceresan is the first satisfactory dust disinfectant available for the control of these barley diseases.

Oats. Excellent control of loose and covered smuts may generally be obtained by seed treatment with Ceresan.

Wheat. Ceresan is very effective in the control of bunt or stinking smut and is recommended for the control of seed-borne flag smut.

For wheat use 1/4 ounce per bushel of seed. For oats and barley 3 ounces per bushel of seed.

1-lb. tin, 75c; 5-lb. tin, \$3.25; 25-lb. drum, \$14.00. Mailing weights, 2 lbs., 7 lbs. and 30 lbs; add postage.



**COPPER CARBONATE 54-55 %**

Copper Carbonate. Two ounces per bushel is sufficient to insure full coverage. Avoid inhaling the Copper Carbonate dust. The treated grain should not be fed to chickens or livestock. 5-lb. pkg. \$1.25; 10-lb. pkg. \$2.40; case, 40 lbs., \$8.80. Add postage.

**COPPER CARBONATE 18%**

5-lb. pkg. 75c; case, 40 lbs., \$5.60. Add postage. Quotations not guaranteed. Ask for prices, stating amount

**RESPIRATORS**

For protection at dusty work, such as handling dry chemicals, fertilizer, metallic powders, and other dusty material. Price, \$1.75; postpaid, \$1.85.

Filters, or sieves for respirators, lot of 100, \$1.25. Liquid, Respirators, \$1.00.

**SEMESAN**

For most flower and vegetable seeds use 1 ounce of Semesan to each 15 pounds, but to dust field crops use 2 ounces per bushel for the large varieties of seeds or 3 ounces for the small kinds.

This modern disinfectant comes in dust form and can be applied to control a most diversified variety of parasitic diseases and fungoid growths borne by seeds, plants, grafts and soil. Semesan is harmless to seed and plant life but extremely poisonous to disease and fungous organisms.

2-oz. tin, 35c; 1-lb. tin, \$2.25; 5-lb. tin, \$10.00. Mailing weights, 2 and 7 lbs. Add postage.

**IMPROVED SEMESAN BEL**

In six farm tests Semesan Bel gave an average yield increase of 35.4 bushels. The untreated averaged 259.9 bushels, the treated 295.3 bushels.

Dry seed potatoes may be most conveniently disinfected before cutting by gently rolling them and the Semesan dust together in a barrel or other cylindrical container for 3 to 5 minutes or until the tubers are thoroughly coated. 4-oz. tins, 50c; 1-lb. tins, \$1.50; 5-lb. tins, \$6.50; 25-lb. pail, \$30.00. Add postage.

**SEMESAN JR.** Is a dust disinfectant used for the ear, root and stalk rots of field and sweet corn. It is used at the rate of 3 ounces per bushel of seed. 4-oz. tin, 30c; 1 lb. 75c. Add postage.

**RODENT DESTROYERS****CYANOOGAS**

Prices not guaranteed on any rodent destroyer.

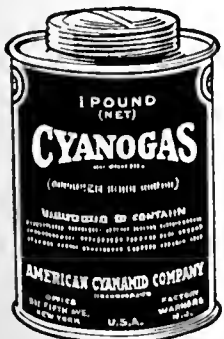
Kills by giving off gas on exposure to the moisture in the air. The residue after the gas has escaped is largely ordinary slaked lime, which is harmless to stock.

**Cyanogas.** For controlling ants, rats, moles, fleas, gophers, sage rats, prairie dogs, ground squirrels, wire-worms, snails, slugs, grape leaf hopper.

Granular. 1 lb. 80c; 5 lbs. \$3.10; 25 lbs. \$6.40; 100 lbs. \$26.00.

A-Dust. ¼ lb. 30c; ½ lb. 45c; 1 lb. 80c; 5 lbs. \$3.10; 25 lbs. \$6.40; 100 lbs. \$26.00. Not mailable.

**G-Fumigant.** 5 lbs. \$3.10; 100 lbs. \$26.00. Not mailable. mailable.



Mouse Seed can be used without bait, without traps, without muss. Mouse Seed is real seed—that kills mice. It attracts them wherever it is left.

Pour a pile of seeds out of the package on a saucer. The mice, attracted by the flavor, will know the kernels, leaving the husks.

Oz. pkgs. 25c; postpaid, 30c.

**KILLS RATS**



Owing to the fact that K-R-O is harmless to human beings and animals it can be forwarded by mail. 6-oz. can already mixed with bait, 35c; postpaid, 45c.

**ELGIN MOUSE TRAPS****Catch Mice, Not Fingers**

Elgin Mouse Traps are the last word in efficiency. Made entirely of steel, nickel plated. Trap is set with one finger, from end opposite jaws. No caught fingers. Dead rodents released without handling. Each 10c; postpaid, 15c.

Rat Traps built exactly like the mouse traps but much stronger. Each 25c; postpaid, 35c.

**ANT DESTROYERS****ANTROL**

The containers are partially filled with syrup and then placed about the outside edges of the house. Ants smell the mildly poisonous syrup, eat it and then transmit it to their queen. Soon the entire ant nest is destroyed.

Prices. Antrol sets containing 4 containers and 1 4-oz. bottle of syrup, 60c; postpaid, 70c. Antrol Syrup, 4 oz. bottles, 20c; postpaid, 30c. Pint bottle, 50c; postpaid, 60c.

Antrol Empty Bottles. Each 10c; postpaid, 15c.

**READY FILLED ANTROL SET**

Ready-filled Antrol Set, consisting of four patented glass "feeders" filled with regular Antrol Syrup. Set, 40c; postpaid, 50c.

Antrol Ant Powder. 1¼ oz. 15c; 4½ oz. 30c; postpaid, 20c. and 35c.

**BUG-GETA**

A specially prepared bait that has proved quite effective for attracting and destroying Snails, Slugs, Sowbugs, Pillbugs, Earwigs, Grasshoppers, Cutworms, Armyworms and Strawberry Root Weevils. 1-lb. carton, 25c; 2½-lb. carton, 50c. Mailing weight 2 and 3 lbs. Add postage.

## ORCHARD SUPPLIES

Desire to draw your attention to the effect that owing to unsettled conditions, the quotations made on orchard supplies are not guaranteed.

### FRUIT PICKING BAG

Clover Leaf Picking Bag is constructed of heavy canvas with spring steel frame at top. The lower end of the bag folds squarely back to the steel frame at the top. The lower portion of the sack being held securely by means of a fastener. Price, \$1.75. Weight, 3 lbs.; add postage.



### INLAND FRUIT PICKING BAG

The mouth of the bag is always open, being constructed with a novel shaped metal frame. Bottom of the bag is opened instantly by the snap. When snapped at top loop the bag will hold one-half bushel; when snapped at bottom loop will hold about a bushel.

Price, \$2.00. Weight, 3 lbs.; add postage.

### FRUIT LADDERS

Strength is emphasized through accurate scientific construction. Steel head plate riveted to side frame, full rodded with supporting block under steps. Concave metal brace riveted to lower step and sides. Back leg securely riveted to side rails preventing side sway. Steps on No. 200 held in place by galvanized steel step sockets. Riveted construction.

Price, No. 60. 6 to 12 ft., 50c per ft.

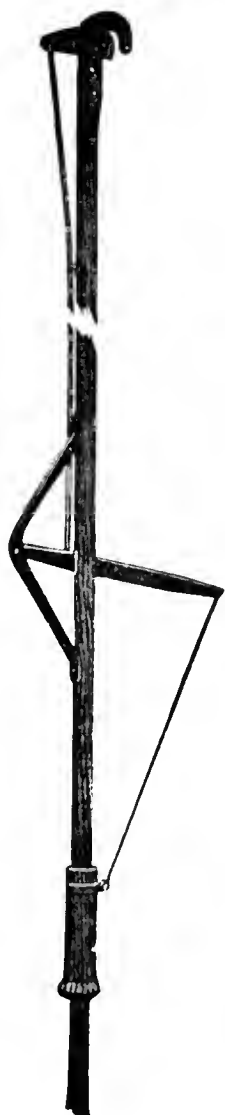
Price, No. 200. 6 to 12 ft., 60c per ft.; 12 to 20 ft., 65c per ft.

### BASTIAN PRUNER

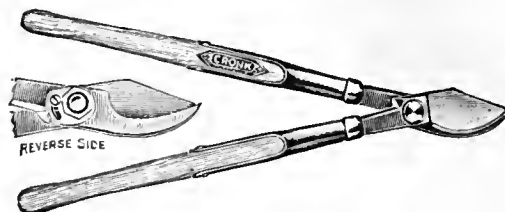
The powerful lever of the Bastian Pruner enables one to do the same work in half the time and with half the labor that would be required with old-style pruner.

Blades are of finished Damascus steel, very strong, and hold their cutting edge. Simple in construction, light, strong and durable.

Feet	Price
6 .....	\$2.00
8 .....	2.25
10 .....	2.50
12 .....	2.85
14 .....	3.25
Handle Slides .....	.35
Blades .....	.35
Blade Screws .....	.10
Poles for 6 foot.....	.80
Poles for 8 foot.....	.90
Poles for 10 foot.....	1.00
Poles for 12 foot.....	1.10
Poles for 14 foot.....	1.25



### LONG HANDLE PRUNERS



Forged from high grade tool steel, finely tempered. Has lock nut and can not work loose. Four-inch strapped steel ferrule and cap.

No. 126. 20-inch handle, weight 3 lbs. Price.....\$2.00

No. 130. 24-inch handle, weight 4 lbs. Price..... 2.25

Add postage.

Blades and hooks forged from special selected quality tool steel and tempered. Handles natural finish with 4-inch strapped steel ferrule and cap finished in black enamel.

No. 326. 20-inch handle, weight 3 lbs. Price, \$2.25.

No. 330. 24-inch handle, weight 4 lbs. Price, \$2.50.

Pruner Handles with ferrule, 20-inch, 24-inch, 30-inch, each 50c. Weight, 3 lbs.; add postage.

Bolts, 20c each.

No. 9½. Steel ferrule, notched hook (patented), prevents slipping, gives greater leverage, and makes cutting easier. 22-inch handle. Price, \$1.25. Weight, 3 lbs.; add postage.

No. 20. Tool steel blades, fitted with large bolt and lock washer. 20-inch handle, 4 lbs. Price, \$1.25; add postage.

### HAND PRUNERS

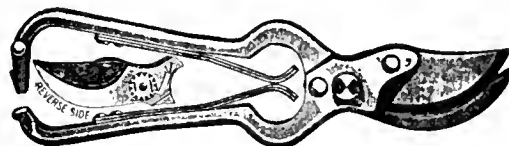


No. 017. Bright steel tempered blades riveted to handles. 8½ inches overall. Volute springs. Price, 50c. Mailing weight, 2 lbs.; add postage.

No. 817. One piece forged steel blade and handle. Blades polished. Volute springs. Plain nut. Price, 75c. Mailing weight, 2 lbs.; add postage.

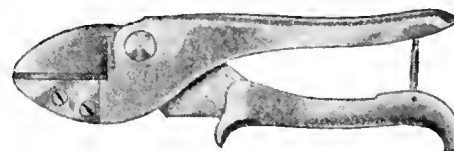
No. 917-R. One piece forged steel blade and handle. Blades polished. Volute springs. Ratchet nut. Length overall, 9 inches. Price, \$1.00. Mailing weight, 2 lbs.; add postage.

No. 117-R-V-S. Malleable handles, cutlery steel blade tempered and full polished. Ratchet nut. Length overall, 9 inches. Volute springs. \$1.25. Mailing weight, 2 lbs.; add postage.



No. 117-R-B-S. Malleable handles. Tool steel blade, ratchet nut. Double brass spring. Full polished. Length overall, 9 inches. Price, \$1.50. Mailing weight, 2 lbs.; add postage.

### ROLL CUT PRUNER



The blade is made of high grade steel, taper ground to a knife edge. This pruner is fitted with a spring steel handle lock that folds into the back of the handle when in use. Highly nicked and polished. Eight inches in length. Price, \$1.90, postpaid, \$2.00. Springs, each, 30c.

### GRAPE OR THINNING SHEARS



No. 203. Same as 101, but longer and has volute spring. Price, 50c; postpaid, 55c.



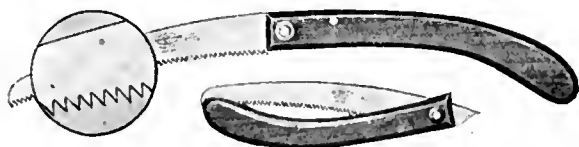
No. 101. Length, 6½ inches. Made extra heavy. Price, 40c; postpaid, 45c.

### SPRINGS

Volute Springs for hand pruners. Each, 15c.  
Volute Springs for No. 203. Each, 15c.  
Springs for No. 101. Each, 15c.

### SAWS

#### No. 24 FOLDING



Made of silver steel. 6½ point peg tooth, hook back, ¼-inch hole punched for belt strap in butt end. Ground 18 gauge. Blade 10-inch. Price, \$1.75; postpaid, \$1.85.

#### No. 23 LONG HANDLE

Curved blade, 14-inch tooth edge, hook back peg tooth 5½ points per in. draw cut. Blade 2¼ ins. wide at handle and ¾ in. wide at point; beech handle. Price, \$1.75; postpaid, \$1.85.

#### No. 18 FOLDING

This is similar to the No. 13, except it is supplied with a folding handle. Peg teeth pitched back so as to be right angle at cutting edge. Blade 12 inches. Price, \$1.60; postpaid, \$1.70.

#### No. 13 CALIFORNIA PRUNER

Made of the finest quality silver steel. The curved blade makes cutting easy. Handle of highly finished applewood. Blade 14 inches. Price, \$1.60; postpaid, \$1.70.

### HEDGE SHEARS

No. 800. A malleable tang shear, cutlery steel, serrated edged blades riveted to handle; length of blade cut, 8 inches. Price, \$2.00. Weight, 3 lbs.; add postage.

No. 600. A light shear riveted handles, 6-in. blade. Price, \$1.25. Wt. 2 lbs.; add postage.



### GRASS SHEARS

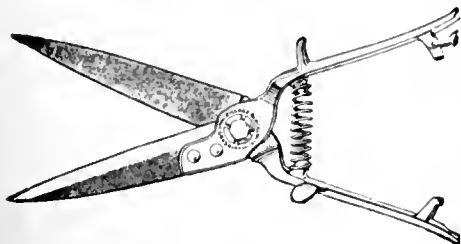


No. V52. With trowel shank. Cutlery steel, 6-inch blade. Green enameled spring with full polished handles and cutting edges.

Price, 75c. Weight, 1 lb.; add postage.

No. V2. Green enameled handle and spring. Full polished edges, with straight shank. Price, 65c. Wt. 1 lb.; add postage.

### GRASNIP



No. 1. Full polished, hollow ground, hardened, 6-inch blades, red enameled handles. Price, \$1.00. Wt. 2 lbs.; add postage.

No. 3. Six-inch polished blades, hollow ground, blue enameled handles. Price, 75c. Wt. 2 lbs.; add postage.

### GRASS HOOK

Patented offset. Forged cutlery steel. Tempered, ground sharp. Oil finish maple handle. Price, 75c. 2 lbs.; add postage.

### GRAFTING WAX

¼ lb. 25c, postpaid, 30c; ½ lb. 40, postpaid, 50c; 1 lb. 75c, postpaid, 85c.

### PRUNING COMPOUND

For use on trees, shrubbery, etc., to stop bleeding of sap after pruning, and prevent worm-boring. Apply pruning compound at the time pruning is done. Pints, 40c; quarts, 65c; gallon, \$2.00. Mailing weight, 4 lbs. and 12 lbs.; add postage.

### LABELS



	Size	100	500	1000	Weight per 1000
Pot, painted	4x¾	\$0.35	\$1.25	\$2.00	5 lbs.
Pot, painted	5x¾	.35	1.75	3.00	6 lbs.
Pot, painted	6x¾	.40	2.00	3.50	8 lbs.
Pot, painted	8x¾	.50	2.25	4.25	10 lbs.
Pot, painted	10x¾	.75	3.50	6.75	12 lbs.

Add postage.

Tree Labels, painted, copper wired. Size, 3½x¾. 100, 35c; 500, \$1.50; 1000, \$2.50. Weight per 1000, 6 lbs.; add postage.



### RAFFIA

Natural color, for nursery work. 1 oz. 10c; ¼ lb. 30c; ½ lb. 50c; 1 lb. 85c; postpaid.

### DEADLINE INSECT BARRIER

A sticky compound which is applied to form a barrier around tree trunks, etc., thereby safeguarding trees, nursery stock, vines, roses, etc., from climbing or crawling pests such as ants, certain caterpillars, cutworms, Fullers rose beetle, etc. 6-oz. tin, 35c; 1-lb. tin, 65c. Add postage.

### CELERY TAPE

Put up in spools of 1,000 yards. Color, red and green. Price, \$3.50. Weight, 3¾ lbs.; add postage.

### CORN KNIFE



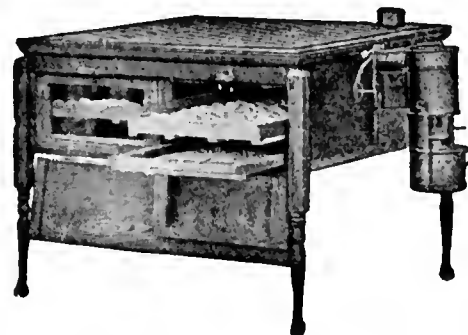
No. 6. Length of blade, 15 inches. Width at end, 3 inches. Length over all, 21½ inches. Price, 75c. Weight, 2 lbs.; add postage.

Ask for prices on all Orchard and Growers' Supplies, as these quotations are not guaranteed.

## POULTRY DEPARTMENT

### QUEEN INCUBATORS

Provides uniform heat over egg chamber. The Queen is doubly insulated. First, double walls of California redwood is used, thus forming a dead air space. Second, corrugated strawboard is used between the wooden walls. Boiler and radiator of the Queen heating system is made of copper (not copperized tin).

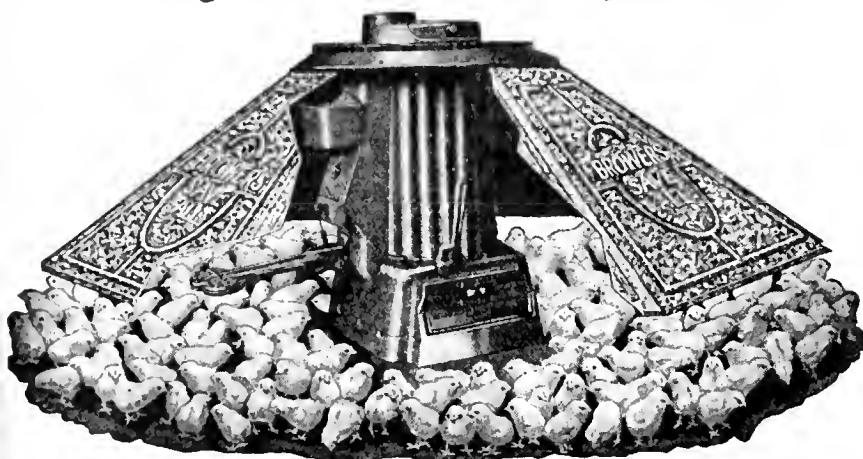


No. 3. 180-egg size.....\$25.00 No. 4. 275-egg size.....\$30.00  
No. 25. 600-egg size.....\$50.00

### STYLE K INCUBATOR

No. 21. 130-egg size .....\$15.00  
Style K Incubators are constructed of double wall redwood. The top of the machine is lined with insulation. The heater and pipes are made of aluminoid.

## Big Chief Coal Burning Brooder



### SAFE AND EASY TO OPERATE

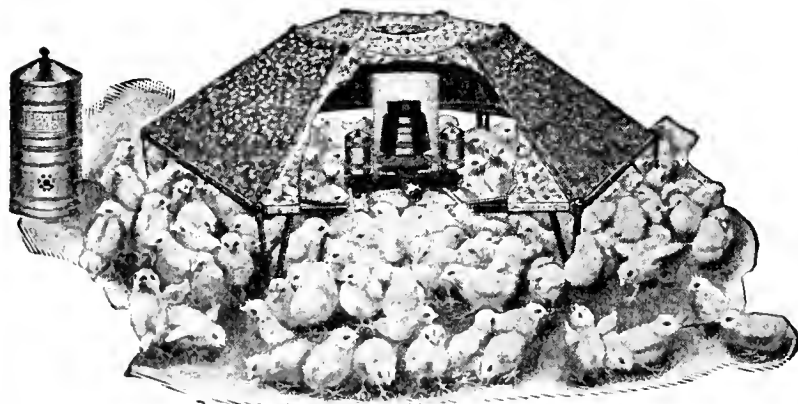
The Big Chief is a marvel of convenience and accessibility. When you want to refuel it, you simply open the large fuel door and pour the coal directly from the scuttle.

The large Hexagon Canopy is heavily ribbed and has the tilting feature which enables the caretaker to get to any part under the canopy without trouble. Has adjustable holes in the top which help to regulate temperature.

Temperature controlled by the patented by-pass principle which provides for a constant circulation of air.

	Canopy	Cap'y	Pipe	Diam. of Grate	Coal Cap'y	Weight Crated	Price
No. 982	56 in.	1000	5 in.	11 in.	52 lbs.	175 lbs.	\$30.00
No. RH	48 in.	500	5 in.	10 in.	36 lbs.	145 lbs.	25.00

## SOL-HOT



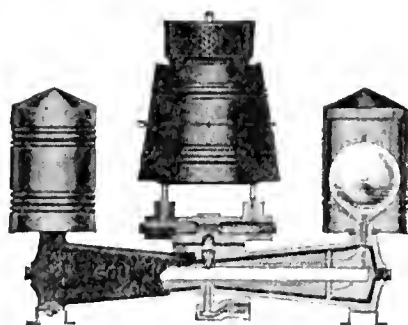
The Sol-Hot Oil Brooder is the one heater on the market that is absolutely automatic. Once the burner is lighted it cannot go out as long as there is oil in the oil supply tank.

### Twin Float Oil Leveler

Set the Sol-Hot anywhere, level, tilted or on an angle; the twin-float oil level automatically levels the oil in the burner well and keeps it at the proper level all the time.

### Special Features

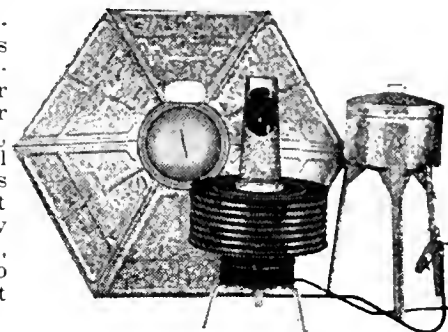
Automatic operation, wickless burner, uniform flame, odorless flame, oil level maintained.



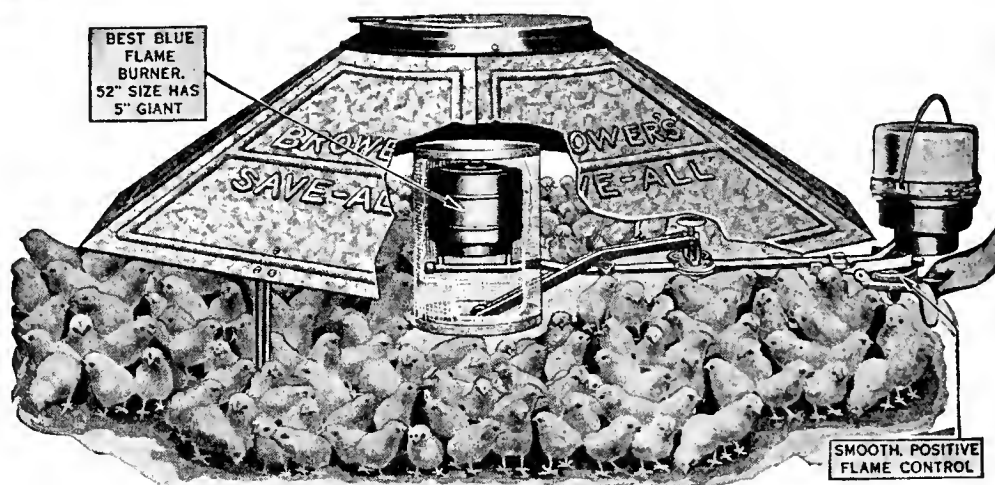
Canopy	Capacity	Lbs. Wt.	Price
44 inch	500	51	\$21.00
54 inch	1000	10	23.00

## THE LINCOLN

The Lincoln has been a popular, efficient brooder since its introduction. It has been improved and offers a greater value now than at any other time. It is dependable, steady, and safe in operation. Full cast base. The stove presents a burner with double sediment bowls. Drum made of heavy duty blued steel. Handsome, heavily embossed canopy, so designed as to prevent heat loss.



	Drum	Canopy	Wt.
No. 402.	Capacity 750; drum, 20 in.; canopy, 48 in.		\$17.50
No. 602.	Capacity 1000; drum, 24 in.; canopy, 60 in.		21.00



## "Save-all" Automatic Oil Brooders

Burn kerosene without fumes or smoke. Provided with visible oil supply, special screen guard around burner, one-piece feed pipe and galvanized steel hexagon canopy with adjustable damper at top to provide ventilation. Automatic model is perfectly controlled by thermostat which regulates flow of oil to burner.

### Automatic Model with Thermostat Control

	Canopy	Capacity	Weight	Price
No. 235	35 in.	250	31 lbs.	\$11.00
No. 245	45 in.	500	42 lbs.	12.00
No. 255	55 in.	1000	47 lbs.	13.00

Add postage.

## ELECTRIC BROODER

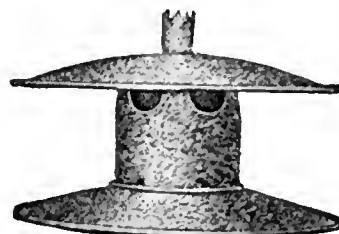
The Sol-Hot Electric Brooder Thermostat has the thermometer and temperature control mounted together. The control is magnetic, and gives instantaneous make and break of circuit. The consumption ranges from 250 watts on the 34 in. up to 500 watts consumption on the 64 in. canopy when turned on.

	Canopy	Weight	Price
No. 3	54 in.	53 lbs.	\$17.50

Add postage.

### PUTNAM BROODER HEATER.

You can make your own brooder for accommodating 25 to 60 chicks. Heater requires filling but once a week. Uses less than a gallon of oil a month. Heat radiates from above onto backs of chicks. Can be operated anywhere. Directions for making brooder enclosed. Price, \$4.75. Weight, 5 lbs.; add postage.





## LITTLE PUTNAM STOVE



Burns 3 to 4 weeks without re-filling or other attention. Wick never needs trimming. For heating water it can be used with a can, crock or fountain. Non-explosive—if tipped over or buried in litter it will go out. Price, \$2.00. Weight, 4 lbs.; add postage.

Quotations on Incubators and Brooders not guaranteed.

## PIPES, ELBOWS

No pipes or elbows furnished with stoves. Order as many lengths of pipe as you need, also elbow if needed, and add to price of stove. When ordering pipe, caps, elbows or roof plates, be careful and specify exact size wanted. Our 3 to 4 inch pipe is 3 inches at one end and 4 at the other. This rule applies to other sizes of pipes.

3-inch pipe .....	25c	5-inch roof plates.....	75c
3 to 4-inch pipe.....	25c	3-inch elbow .....	25c
4-inch pipe .....	25c	4-inch elbow .....	25c
4 to 5-inch pipe.....	30c	5-inch elbow .....	30c
5-inch pipe .....	30c	6-inch elbow .....	35c
5 to 6-inch pipe.....	30c	3-inch cap .....	50c
6-inch pipe .....	30c	4-inch cap .....	50c
3-inch roof plates.....	65c	5-inch cap .....	60c
4-inch roof plates.....	65c	6-inch cap .....	60c

## LAMPS, BROODER

No. 8 Brooder Lamp. The Inland Safety Brooder Lamp requires no chimney. Top of lamp is made to hold water, and it is essential to keep water there. Weight, 2 lbs. Height of bowl, 4 1/4 inches; diameter, 7 1/4 inches. Price, complete with burner and wick, \$2.25; postpaid, \$2.35.

## LAMPS, INCUBATOR

	Burner	Hgt. Bowl Inches	Diam. Bowl Inches	Price Postpaid
No. 2 .....	2	2 3/4	7	\$2.00
No. 3 .....	3	3 1/4	8 1/4	2.25
No. 4 .....	32	3 1/4	8 1/4	2.25

## LAMP BOWLS

For 3 Burner.....\$1.75 For 2 Burner..... \$1.50  
Add 10c for postage on lamps and lamp bowls.  
If chimney wanted for any of the above, add 50c.

## LAMP BURNERS

No. 2 Sunburner. Price, 60c; postpaid, 65c.  
No. 3 Sunburner. Price, 75c; postpaid, 80c.  
No. 1 Zenith. No chimney, 3/4 inch wick. 60c; postpaid, 65c.  
No. 2 Zenith. No chimney, 1 inch wick. 75c; postpaid, 80c.  
No. 32. 3 1/4 in. chimney, 1 inch wick. Price, 50c; postpaid, 55c.

## LAMP CHIMNEYS

Chimney, 2 1/4 x 5 inches, for No. 2 burners. 40c; postpaid, 50c.  
Chimney, 3 1/4 x 6 inches, for No. 3 burners. 50c; postpaid, 60c.  
Chimney, 3 1/4 x 3 1/4 in., for No. 32 burner. 50c; postpaid, 60c.

## LAMP COLLARS

For No. 2 burners, 10c each. For No. 3 burners, 15c each.

## LAMP WICKS

No. 1, 2, 3, 5c each; 50c dozen. Felt No. 2-3, 10c each.  
Wicks for Putnam Stoves, 3 for 10c.  
Wicks and Holders for Putnam Stoves. Each, 15c.  
Wicks for Putnam Brooders. Each, 5c.  
Wicks and Holders for Putnam Brooders. Each, 20c.  
Asbestos Wick, size 10 1/2 x 1 1/2 and 15 x 1 1/2. Each, 25c.  
Kerogas Wicks for oil stove No. 20, 3 3/8 x 3 1/2. 50c; postpaid, 60c.  
No. 30. 4 3/4 x 3 1/2. Price, 75c; postpaid, 85c.  
Pilot Wick, 20c.

## LEG BANDS CHAMPION

This aluminum band is made in one piece, adjustable to fit any fowl. Held by double lock, cannot come off.  
25 Bands numbered 1 to 25, 25c. 50 Bands, numbered 1 to 50, 40c. 100 Bands, numbered 1 to 100, 75c.

## SPIRAL

Made like a key ring, easy to put on. Birds identified easily on account of the different colors. Carried in white, green, black and plnk. Pigeon and chick bands and bands for small breeds, 12, 10c; 25, 20c; 50, 30c; 100, 50c.  
Bands for large breeds, 12, 15c; 25, 25c; 50, 40c; 100, 70c.

## CHICK BOXES

These shipping boxes are made of high-test quality corrugated paper, and are so constructed as to afford the greatest strength and stiffness, without unnecessary bulk of weight.

Capacity	Size	Each	1/2 Doz.	Doz.	Wt. Doz.
25	9x12x5 1/2	20c	\$1.15	\$2.25	14 lbs.
50	18x12x5 1/2	25c	1.50	2.75	18 lbs.
100	22x18x5 1/2	35c	2.00	3.75	32 lbs.

Staples, 100, 60c; 500, 90c; 1000, \$7.50; prepaid.  
Add postage. Prices subject to change.

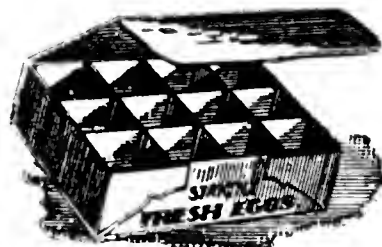
## EGG BOXES, HATCHING

These boxes are specially designed to withstand the rough usage and to afford complete protection to the eggs. Compare the weight of these boxes with others that are quoted at a lower figure, and you will be enabled to judge of their respective qualities.

	Each	1/2 Doz.	Doz.	Wt. Doz.
15 eggs.....	\$0.35	\$1.80	\$3.50	20 lbs.
30 eggs.....	.50	2.70	5.25	30 lbs.
50 eggs.....	.60	3.50	6.75	40 lbs.

Add postage.

## EGG BOXES



Paper. Intended for use in delivering eggs to private families. If you have a select egg trade you should use this box. 2 doz. 25c. Mailing wt. 4 lbs.; add postage.

At purchaser's expense: Pkg. of 250, \$2.00; 500, \$3.75; 1000, \$7.00. Weight of 125, 15 lbs.; add postage.

## EGGS, NEST

Porcelain. Price, doz., 40c. Mailing weight, 2 lbs. per dozen; add postage.

## EGG CASES

Each, knockdown, 30c; 1/2 doz. \$1.70; doz. \$3.00; 25, \$6.25; 50, \$12.50; 100, \$24.00. Weight, each, 7 lbs.; add postage.  
Egg Case with fillers. Each, 60c. Weight, 12 lbs.; add postage.  
Egg Case, 12 doz. capacity, 90c. Weight, 7 lbs.; add postage.

## EGG CASE FILLERS

Pasteboard Filler for 30-doz. case, 30c. Wt. 6 lbs.; add postage.  
Pasteboard Fillers, per case (for 12 30-dozen cases), \$3.00. Wt. of case, 55 lbs.; add postage.



## EGG TESTER

Designed for use on an ordinary lamp. In a dark room the light will be strong enough to penetrate the shell and illuminate the interior of the egg. Price, 30c. Weight, 3/4 lb.; add postage.

## EGG SCALES

The Mascot. Automatic, accurate. Very satisfactory to users. Each, \$1.50; postpaid, \$1.60.

## CAPON SETS



Lansdowne Automatic Testicle Remover is easy to use. The grasping loops are exactly same principle as the Miles Remover, which has been in use for fifty years; but the patent feature has made it perfect as to simplicity of the operation and to prevent making slips.

Price, \$5.50; postpaid, \$5.60.

New Philadelphia Capon Set consists of a knife for making the incision; the spreader for holding sides open; sharp hook for piercing skin; the Lansdowne Remover for removing the testicles. Cords with hooks for holding the bird. Cup forceps for removing any foreign matter. Price, \$4.00; postpaid, \$4.10.

## NOTICE

Thermometers and all glassware are carefully packed, but safe delivery not guaranteed and we will not be responsible for breakage. To insure safety send insurance fee with your remittance.

## DAIRY THERMOMETERS

## Glass Floating

No. 5700. Churn Thermometer. Glass cylinder; 10 in. long; mercury filled tube; weighted to float upright. Range 10° to 110° F. in 1° graduations. Price, \$2.00; postpaid, \$2.10.

No. 5702. Churn Thermometer. Glass cylinder; mercury filled tube; weighted to float upright. Range 10° to 110° F. in 1°. Price, 90c; postpaid, \$1.00.



No. 5700



No. 5715

No. 5703. Pasteurizing Thermometer. Glass cylinder; 2° graduation; range 30° to 220° F.; 10 inches; weighted to float upright. Price, \$1.15; postpaid, \$1.25.

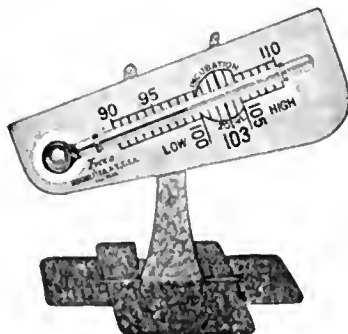
No. 5715. Length, 8 in. Mercury filled tube. Best imported. Price, 50c; postpaid, 60c.

No. 5705. Flanged metal scale Churn and Pasteurizing. Ten-inch; mercury filled tube, sliding guard; scale range, zero to 220° F.; 10 inches. Price, \$2.00; postpaid, \$2.10.



No. 5705

No. 5740S. Brass scale with engraved figures and graduations, sliding bulb guard; permacolor filled tube; range 20° to 220° F.; length, 8 in. Price, \$1.00; postpaid, \$1.10.



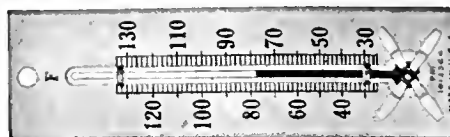
When used with Stand

## INCUBATOR THERMOMETERS

No. 5776. 4-inch white enameled metal scale with black figures, plain glass tube. Price, \$1.00; postpaid, \$1.10.

No. 5783. Certified. 4-inch black oxidized metal scale with white-filled figures. Price, \$1.25; postpaid, \$1.35.

## BROODER THERMOMETERS



No. 5794S

No. 5794S. Ordinary grade, white lithographed scale, 4½ in. long, black figures, 10 to 140°. Price, 60c; postpaid, 70c.

## GREENHOUSE THERMOMETERS



No. 5400S

No. 5400S. Best grade, 10 inches, black japanned, heavy tin case. Spirit. Tube filled with red permacolor; black oxidized brass scale. Price, \$1.75; postpaid, \$1.85.

No. 5420S. Selected grade, 8 inches, black japanned tin case. Spirit. Same as 5400S, but selected grade instead of best grade. Price, \$1.10; postpaid, \$1.20.

## "TYCOS" INCUBATOR HYGROMETER

"Tycos" Incubator Hygrometer is not a regulator of moisture, but is an indicator of conditions. Each, \$2.00; postpaid, \$2.10. Hygrometer wicks, each, 25c.

## HYDROMETER



No. P7244. Salt Seal Salometer. Range 0 to 100. Graduation 1-60% F. Length 11 inches. Price, \$1.25; postpaid, \$1.35.

We pack thermometers and all glassware in as safe a manner as possible, but will not be responsible for their safe delivery, owing to the great risk of breakage.

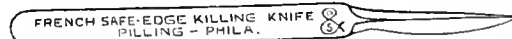
## PETTY'S POULTRY PUNCH

Latest, most convenient Poultry Punch; will not clog. Thoroughly practical.

Postpaid, 25c.



## SAFE EDGE KILLING KNIFE



Exactly same as French Killer except cut on one side only. Price, 90c, postpaid.

## PILLING ANGULAR KILLING KNIFE



By simply turning the wrist the jugular vein and spinal cord are cut. Price, \$1.00, postpaid.

## SANITARY HENS' NEST

Ten compartments. Price, \$7.50.

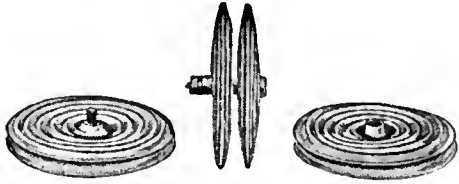
## WIRE HENS' NESTS

Made from heavy japanned steel wire. Fasten to the wall with screw hooks. Size, 14 inches in diameter, 1¼-inch mesh. Each, 15c; doz. \$1.50. Weight, ¾ lb.; add postage.

## STEEL SHIPPING COOP

It is made of galvanized steel bars and wire, and will not rust. It has a narrow mesh on top, which eliminates the possibility of the poultry poking their heads through and being killed. Self locking. Side door on top. Weighs but 24 pounds and never gets heavier. Size 27x41x14 inches high. Price, \$4.50.

WAFER THERMOSTATS



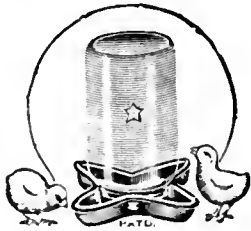
Wafer Thermostats are made of two round concave discs. The cavity between them is filled with a volatile liquid. 3, 4 and 5-inch sizes with thread connections on lower side and beveled place in upper side.

3-inch, 35c, postpaid, 45c; 4-inch, 50c, postpaid, 60c; 5-inch, 60c, postpaid, 70c.

CHICK FEEDERS

Fits any Mason jar. Made of solid piece of rust resisting metal. Glass jars not furnished.

No. 32. 3 for 25c; postpaid, 35c.



The trough is stamped from one piece of galvanized iron and is watertight.

No. 71. 16 inches. Weight 1 lb.....\$0.20

No. 72. 23 inches. Weight 1 1/2 lbs..... .30

Add postage.



The trough has a wide inturned lip that prevents waste of feed. Ends are high, perfectly smooth and strong. The Z-shaped steel reel may be adjusted to three positions according to the size of the chicks.

No. 40. 18 inches. Weight 1 1/2 lbs.....\$0.35

No. 41. 24 inches. Weight 2 lbs..... .40

No. 42. 36 inches. Weight 3 lbs..... .55

Add postage.



Furnished with a four-blade metal revolving reel which prevents roosting. The strong wire legs make it possible to adjust the feeder to any size chicks. Made of heavy galvanized steel with inturned lip to prevent loss of feed.

No. 410. 24 inches. Weight 3 lbs.....\$0.60

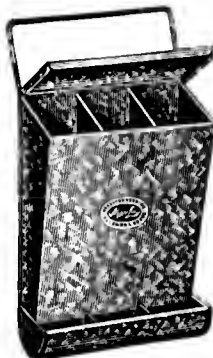
No. 420. 36 inches. Weight 4 lbs..... .75

Add postage.

No. 142. Entirely free from sharp edges. Furnished with a four-blade reel which revolves. The trough has wide inturned lips to prevent loss of feed. It is watertight. Made of the highest quality materials. Both reel and legs adjustable to any height. 36 inches. Price, \$1.00. Weight, 4 lbs.; add postage.

INLAND GRIT AND SHELL BOX

Is self-feeding. Made of heavy galvanized iron. They are provided with a cover or lid, with a slanting top, preventing the fowls from roosting on the top of the box. Length of three compartments, 8 1/2 inches. Price, 90c. Weight 4 lbs.; add postage.



FEED HOPPERS

Best quality galvanized steel. The curved bottom keeps the feed within easy reach of the birds, and the taper shape of the hopper prevents the feed from clogging.

	Width	Capacity	Weight	Price
No. 35.....	8 1/2 in.	10 qts.	6 lbs.	\$0.80
No. 36.....	12 in.	14 qts.	7 lbs.	1.00



FRUIT JAR FOUNTAINS

This pan or saucer is made of high quality, rust resisting galvanized steel. Fruit jar is attached by heavy steel clamp.

The correct drinking space of this pan has made it popular from the standpoint of sanitation. There is ample space for the chicks to drink, yet not enough for them to get into the water.

No. 20. 3 for 25c. Dozen weighs 4 lbs.; add postage.

DOUBLE WALL FOUNTAINS

Keep the water cool in summer and retard freezing in winter. Operates on the vacuum principle.

The top section telescopes snugly over the water container which is securely soldered to the pan. The top or outer section is also fastened securely so that the fountain may be carried by the handle without danger of spilling.

No. 269. 3 gal., 8 lbs., \$1.75

No. 270. 5 gal., 12 lbs., \$2.25

Add postage.

THE MONARCH



SHOWING  
METHOD  
OF  
FILLING

Made of prime tight coated galvanized steel, which keeps the water cool in summer and retards freezing in winter. The outer cover telescopes snugly over the water container, and is easily removed for filling and cleaning. Operates on the vacuum principle. Has three convenient carrying handles, one on the inner container, a top handle to use when filled, and one to use when the outer section is inverted so that water may be carried in both containers.

No. 283. 3 gals., 8 lbs. \$2.25  
Add postage.

No. 285. 5 gals., 12 lbs., \$2.75

SINGLE WALL FOUNTAINS

Made of heavy galvanized iron. The flat top is recessed so the handle will lay down flush, and allow the tank to set level while filling. The pan is extra deep, but narrow to prevent the chicks from getting into the water.

No. 66. 1 gal., 3 lbs.....60c

No. 67. 2 gals., 4 lbs.....90c

Add postage.

No. 15. Flow of water is controlled by copper float. Made of heavy galvanized steel. Pointed top to prevent roosting. Dimensions: 13 in. across top, 11 in. deep, 19 in. high over all. 5 gallons, 10 lbs., \$3.00; add postage.



BANNER FOUNTAIN

The Banner Fountain, a two piece bottom fill waterer made of prime galvanized steel. Filled by inverting the water container.

The body is held securely to the pan by two metal clips. Has a top handle to carry or move the fountain when filled, and a heavy wire ball to carry water when inverted the same as a pail.

No. 276. 2 gals., 4 lbs., \$1.25

No. 277. 3 gals., 5 lbs., \$1.50

Add postage.



**Champion Automatic Valve Float**

**Fountain.** Made of prime galvanized steel, with 13-in. drinking pan. A brass valve with copper float is located in the bottom of the tank and permits the water to flow into the pan as required. The fountain is easily filled by lifting off the cone top cover and the inside is readily kept clean and wholesome. Smooth cone top gives the birds no foothold, prevents roosting and contamination of the water in the pan.

No. 343. 3 gal., 8 lbs. . . . . \$2.00  
No. 345. 5 gal., 9 lbs. . . . . 3.25  
Add postage.

**FOUNTAIN HEATER**

Solves the problem of a uniform supply of fresh water at all times, no matter how cold the weather. Can be used with all styles of fountains and makes an ideal heater fountain at a low price. Price, \$2.25. Weight, 5 lbs. Add postage.

**FLOAT VALVE**

The valve is threaded for 1/4 in. iron pipe and can be connected to any pressure system, or to a tank or barrel, and provides a constant automatic supply of drinking water without waste or effort. Price, \$1.00; postpaid, \$1.10.

**POULTRY TONICS**

Conkey's Poultry Tonic. It is not a food, but a tonic to be mixed with the regular feed.

	Price	Net Weight	Gross Weight
Package . . . . .	\$ .30	1 1/2 lbs.	1 3/4 lbs.
Package . . . . .	.60	3 1/4 lbs.	3 1/2 lbs.
Package . . . . .	1.25	7 lbs.	7 1/2 lbs.
Pail . . . . .	2.25	12 lbs.	14 1/2 lbs.
Pail . . . . .	3.75	25 lbs.	29 lbs.

Add postage.

**EPSOM SALTS.** 4 lbs. 25c; add postage.

**CONKEY'S Y. O.**

By supplying needed vitamins, cod liver oil and yeast, promotes rapid and vigorous growth and keeps hens in good condition.

	Price	Net Weight	Gross Weight
Package . . . . .	\$ .55	1 lb.	1 1/4 lbs.
Package . . . . .	1.00	2 lbs.	2 3/4 lbs.
Package . . . . .	2.00	5 lbs.	6 lbs.

Add postage.

**COD LIVER OIL**

Recent studies show that certain vitamins are necessary for proper growth, body maintenance, and reproduction. Cod liver oil supplies these vitamins.

Gallon, \$1.15, if customer furnishes container, \$1.25 per gal. if Inland Seed Co. furnishes container. Not mailable.

**LICE KILLERS AND DISINFECTANTS****LICE LIQUID**

—is for painting roosts, fittings, the inside of house, nest boxes and wherever mites congregate. Cans, qt. 60c; 2 qt. 90c; gal. \$1.50. Not mailable. Express or freight extra.

**TOBACCO DUST**

For use in dust baths or nests. A cheap and effective exterminator of lice. Lb. 15c; 2 lbs. 30c; 10 lbs. \$1.10; 25 lbs. \$2.50; 50 lbs. \$4.50; 100 lbs. \$7.50. Add postage. In sealed packages, 2 lbs. 35c; 10 lbs. \$1.25. Add postage.

**CARBOLA**

Carbola is a white paint and disinfectant combined in powder form. It is ready for use as soon as it is mixed with water. Does not flake or peel off. One pound covers 100 square feet. Price, 10 lbs. \$1.50; 50 lbs. \$6.00; add postage.

**REVENGE**

Put Revenge in the dustbox. It sticks to the fowl—IT WON'T DUST OFF. 3-lb. can, 75c. Mailing weight, 4 lbs.; add postage.

**LICE POWDER** is for dusting hens, nests, growing chicks and wherever body lice exist. 1-lb. package, 25c; 2 1/2-lb. package, 50c. Mailing weight, 2 and 3 lbs.; add postage.

**ZENOLEUM**

One gallon of Zenoleum makes 100 gallons disinfectant. Kills vermin, cures skin trouble. Invaluable as a remedy for diseases of poultry and all livestock. Kills lice and cures mange. Disinfects incubators. Pint, 50c; qt. 75c; 1/2 gal. \$1.25; gallon, \$2.00. Not mailable. Express or freight extra. Zenoleum is one of the very best dips for all kinds of livestock.

"Black Leaf 40" "painted" full strength (1 oz. to 12 or 15 feet of roost) on the top sides of the roosts before fowls perch for the night, kills body-lice. Fumes permeate the feathers.

1-oz. bottle, 35c; 5-oz. bottle, \$1.00; 1-lb. bottle, \$2.25; 2-lb. tin, \$3.25; 10-lb. tin, \$10.60. Add postage.

**BUHACH**

1 1/2-oz. pkg. 25c; 3-oz. pkg. 50c; 6-oz. pkg. 75c; 12-oz. pkg. \$1.25. Add postage.

**POULTRY REMEDIES**

**RELIABLE POWDER.** Formerly called Roup Remedy. When birds sneeze, froth in eyes, or run at nose put Conkey's Reliable Powder in the drinking water. Sick birds doctor themselves and others are protected from catching the disease. Better still, always at the first sign of "roupy weather", place Reliable Powder in fountains—it's a great preventive.

Packages, 25c, 50c, \$1.00;  
postpaid, 30c, 55c, \$1.10

**DIA-TABS.** Formerly called White Diarrhea. As a preventive of bowel troubles, white diarrhea and other digestive complaints, it has given great satisfaction for many years. Once started, diarrhetic conditions often sweep away the whole hatch. This remedy is also recommended as a preventive measure and for treatment of coccidiosis. Packages, 25c, 50c, \$1.00; postpaid, 30c, 55c, \$1.10.



**GERMOZONE** is especially valuable in preventing and controlling the diarrhoeas and digestive disorders of little chicks and grown fowls. Use it for bowel complaint in little chicks; for cholera, roup, and other diseases among the older fowls. Put up in bottles.

4 oz. 40c; postpaid, 45c.  
12 oz. 75c; postpaid, 85c.

32 oz. \$1.50; postpaid, \$1.65. 1/2 gallon, \$2.50; 1 gallon, \$4.50. Half gallon and gallons put up in glass jugs. Not mailable.

**WALKO TABLETS**

Is highly recommended for colds, roup, etc. Dissolve in water and follow the directions on package. 100 to box. Price, 50c. Postpaid, 55c.

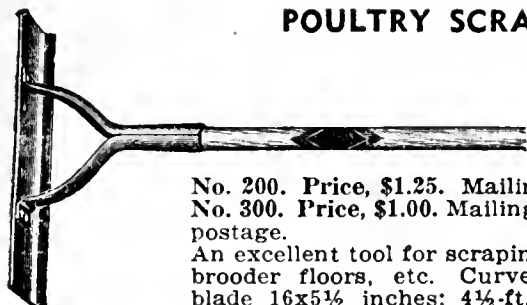
**NON-PIKK**

—will, if used in time, prevent toe-picking, rump-picking, feather-pulling. It is effective. Just treat the birds and return them to their pens—one taste and they never forget. At the first sign of toe-picking, etc., apply a small amount on the wings and tails of several birds in each pen.

1 oz. 30c; postpaid, 35c. 1/4 lb. 65c; postpaid, 70c. 1/2 lbs. \$1.00; postpaid, \$1.10.







## POULTRY SCRAPER

No. 200. Price, \$1.25. Mailing weight, 6 lbs.  
No. 300. Price, \$1.00. Mailing weight, 4 lbs. Add postage.

An excellent tool for scraping dropping boards, brooder floors, etc. Curved blade. No. 200 blade 16x5½ inches; 4½-ft. handle. No. 300, 12x4½ inch blade, 4-ft. handle.

## CEL-O-GLASS

Cel-O-Glass is clear, tough and flexible. It is hail, rain, wind and rust proof, is a nonconductor of heat and cold. Cel-O-Glass lets through the ultra-violet rays of the sun. Cel-O-Glass is ideal for hotbed sash, coldframes, etc. Cel-O-Glass is made in rolls 3 feet wide. Prices: Running yard, \$1.50; 5 yards, \$7.50; 10 yards, \$12.50 roll of 100 feet, \$40. Weight, 44 lbs. Add postage.

## VIO-RAY

Is more flexible and more moisture-proof than other similar materials. VIO-RAY transmits the ultra-violet rays of the sun; increases egg production. 100 yards in roll. Width, 3 ft. Prices: 5 yards, \$1.50; 10 yards, \$2.50; roll of 100 yards, \$22.50. Weight, 52 lbs. Add postage.

## WORM KILLERS

**"BLACK LEAF" WORM POWDER.** When given to poultry it mixes with food in the crop and gizzard. The dose is ¼ pound, mixed in a gallon of mash, for 100 birds, or 1 pound to 400 birds; fed the first thing in the morning. 4 oz. 65c; prepaid, 75c; 1½ lbs. \$2.50; prepaid, \$2.60.

**CAPSULES.** An insoluble capsule carrying a combination worm medicine for tape, round and pin worms. Capsules do not cause sickness or depression if used according to directions on birds that are in normal health except for worms.

Prices:	Adult	Pullet	Chick
10-cap. Pkg. ....	\$ .15	\$ .10	\$ .10
50-cap. Pkg. ....	.75	.50	.40
100-cap. Pkg. ....	1.25	1.00	.75
Five 100-cap. Pkgs.....	5.50	4.50	3.25
Ten 100-cap. Pkgs.....	10.00	8.50	6.00

**FLU-KOFF EMULSION** is a cough syrup. Give in wet mash or soaked oats. 4-oz. bottle, 50c; postpaid, 60c; 12-oz. bottle, \$1.00; postpaid, \$1.10; quart bottle, \$2.00; postpaid, \$2.15.

**VAPO-SPRAY** is a compound of healing oils. Spray it in the air of the poultry house at night. The chickens breathe the vapors given off, which produce relief. 32-oz. bottle, 75c; postpaid, 90c. ½-gal. bottle, \$1.25; postpaid, \$1.45.

Safe delivery of bottles not guaranteed.

## POULTRY FEEDS

The prices herein quoted for poultry feed are not guaranteed, owing to the uncertainty of grain prices.

### BONE CHICK

This is ground the proper size for young chicks. 100 lbs. \$3.00.

### BONE, GRANULATED

Granulated Bone is made from fresh bones with the moisture and grease taken out, leaving nothing but the phosphate of lime and nitrogen. 100 lbs. \$3.00.

### BONE MEAL

This is the same as granulated bone, but ground finer, so that it can be fed in a mash or to young chicks. 100 lbs. \$3.00.

### CHARCOAL

It aids digestion, purifies the blood, regulates the bowels and promotes the general good health of all poultry. Fine granulated, for all mash rations and for small chicks and a coarser granulated for adult fowls. Price, 50-lb. bag, \$1.50.

## CLOVER LEAF GRIT

The sharpest and hardest grit known. Free from dust. In ordering state whether you want chick, medium or large size. 100 lbs. 90c.

## MEAT SCRAPS

The object in buying Meat Scraps or Meat Meal is to obtain the largest amount of digestible protein possible. Meat Scraps contain from 52% protein. Spokane made. \$4.00.

## MEAT MEAL

52 per cent protein. Spokane product. Price, \$4.00. Prices on all poultry feeds subject to change.

## DOG BISCUITS

**Dog Biscuits.** The analysis of these biscuits shows that they are, weight for weight, equal in nourishment to fresh raw beefsteak. 25 lbs. \$3.50; 50 lbs. \$6.50; 100 lbs. \$12.50.

**Oval Biscuit.** 25 lbs. \$3.50; 50 lbs. \$6.50; 100 lbs. \$12.50.

**Fibo Biscuit Oval.** 25 lbs. \$3.75; 50 lbs. \$7.25; 100 lbs. \$14.00.

**Kibbled Biscuit.** 25 lbs. \$3.10; 50 lbs. \$6.25; 100 lbs. \$12.00.

**Terrier Meal.** 25 lbs. \$3.10; 50 lbs. \$6.00; 100 lbs. \$11.00.

**Cat Biscuit Pkt.** 30c.

**Catnip Leaves,** 20c postpaid.

Mailing weight of bags, 1 lb. more than their priced weight; add postage.

Booklet, Spratt's Dog Culture, mailed on request.

## SHELL

The feeding of shells to poultry prevents soft shelled eggs, making the shells strong. Bag, \$1.25.

## PEAT MOSS

A very high quality peat moss. Tremendously absorbent and will hold over 15 times its own weight in water. Ideal dressing for lawns and flowers. It has no equal as a poultry litter or for brooding baby chicks. Over 20 cu. ft. of loose moss to the bale. \$2.75.

## BIRD SEED

**Mixed.** Per lb. 12½c.

**Canary.** Per lb. 12½c.

**Maw.** Per lb. 25c.

**Rape, Sweet.** Per lb. 20c.

**Millet.** Per lb. 15c, 2 lbs. 25c.

**Cuttle Bone.** Two for 5c.

**Sunflower.** Per lb. 15c.

All bird seed recleaned.

Add postage on all bird seeds.

## DOG REMEDIES

**Coughs.** Cough Remedy, liquid, for coughs and colds from whatever cause. 60c.

**Diarrhoea.** Diarrhoea Remedy, tablets very effective. 60c.

**Fleas.** Ceoline Dog Wash, for fleas and for a disinfectant. 40c.

**Cream Soap.** For fleas and washing dogs. 35c.

**Indigestion.** Digestive tablets, for all forms of indigestion. 60c.

**Laxative Pills.** Act directly on the liver and keep the bowels in good condition. 60c.

**Mange.** Mange Remedy. Best remedy known for this disease. 60c.

**Skin Lotion.** For all skin diseases. 60c.

**Worms.** Vermifuge (soft capsules), also liquid. Can be given to small puppies, as well as dogs. 60c.

**Worm Pills.** Composed of the best remedies known for the expulsion of worms. 60c.

**Rundown Condition.** Condition pills, with pepsin. A very reliable remedy in all rundown conditions. Also very valuable in cases of distemper. Price, 60c.

Add 5c to quotations if forwarded by mail. Booklet on care of dogs, free on request.

## BIRD SPECIALTIES

**Bird Bitters.** A remedy for nearly all the diseases of cage birds. Price, 25c; postpaid, 30c.

**Bird Sand.** Pkg., 2 lbs., price 25c; add postage.

**Mite Powder.** Blow a little under the feathers of the bird. Price, 25c; postpaid, 30c.

**Moulting Pepper.** When fed during moulting season it produces red-tinted feathers. Price, 25c; postpaid, 30c.

**Nesting Hair.** Much better than any substitute. Price, 15c; postpaid, 20c.

**Song Restorer.** A tonic for all seed-eating birds. Price, 15c; postpaid, 25c.

Booklet on cage birds, free on request.

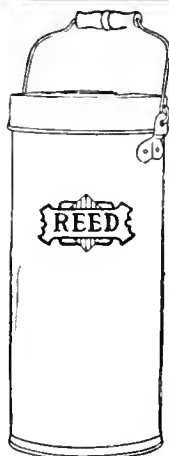
## DAIRY SUPPLIES



### CANS

Ohio. This can is made with a single neck and is fitted with the popular outside bottom loop. Round handles, strong, durable and will withstand very rough usage. Price, with cover as shown in cut: 5 gallons, \$4.50; weight, 13 lbs. 10 gallons, \$5.75; weight, 20 lbs. Add postage.

### CREAM CANS



P20. Heavy, seamless outside cover. Heavy ears. Coppered bail. Natural finish bail wood. Cover without handle. Rounded bottom. No gauge or faucet. IX charcoal plate. 20 quarts. Weight 3½ lbs. Price, \$1.25; add postage.

P17220. Heavy seamless inset cover, heavy ears, coppered bail, natural finish bail wood, cover with handle, flat bottom. With gauge and faucet. IXX charcoal plate. 20 quarts.

Weight, 5¼ lbs. Price, \$3.00; add postage.

Delivery. Side handle, cover chained to can; well made and durable.

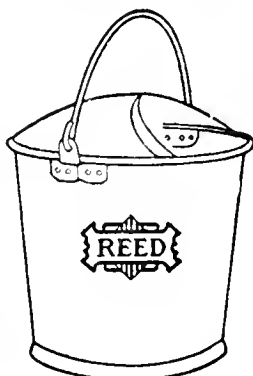
	Wt.	Price
1 Gallon City Delivery.....	4 lbs.	\$1.85
3 Gallon City Delivery.....	6 lbs.	2.75
2 Gallon St. John.....	7 lbs.	2.50

Add postage.

### PAILS

P8114. Hooded. One-piece top or hooded. Steel ball. Reinforced ears. All seams sanitary soldered inside and outside. IX charcoal plate. 14 quarts. Weight 4 lbs. Price, \$1.50; add postage.

P1114. Reinforced ears, extra heavy wire in top, coppered bail, natural finish bail wood, IX charcoal plate. Flaring pattern. 14 quarts. Weight, 3 lbs. Price, 90c; add postage.



P8114



P7214

### STRAINERS

Heavy, seamless. Body and foot drawn from one piece. Heavy wire around top. Reversible wire ring to hold cloth.

No.	Capacity	Price	Weight
No. P1934.....	4 quarts	\$1.00	1½ lbs.
No. P1936.....	6 quarts	1.15	1¾ lbs.
No. P19712.....	12 quarts	1.60	3 lbs.

Add postage.

No. P19514. Same as P19412 but equipped with one flat and one convex perforated tin disc and wire spring. 14 quarts. Price, \$1.85. Wt. 3½ lbs.; add postage.



Wire Spring,  
25c.



Brass Wire  
Cloth, 35c



Perforated Tin,  
25c

No. P19412. Extra heavy seamless, heavy wire around top; sanitary soldered. Equipped with removable brass wire cloth, perforated tin disc and wire spring. 12 quarts. Price, \$1.40. Weight, 3 lbs.; add postage.

### BRUSHES, BOTTLES, MILK



No. 86. See description bowl brush No. 72, with exception of stiff bristle and better quality. Price, 60c each.



No. 123. Stiff gray hair, brush part 3 inches diameter, tapered to 1½ inches diameter at handle end; 6½ inches long. 50c.

No. 124. Same brush as No. 123, with the single exception of handle being 9 inches long. Price, 50c.

No. 82. Extra stiff gray hair, brush part 3 inches diameter, 5½ inches long, hickory handle, ½ inch diameter, 10 inches long. Price, 45c.

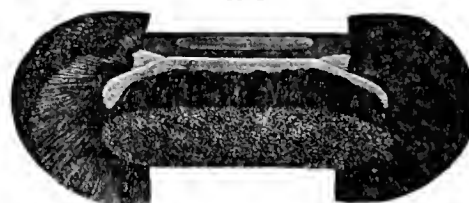
### BOWL

No. 812. Small, black china bristle; brush part ¾ inch diameter, 3 inches long; length over all 8½ inches. Price, 15c.

No. 72. Black china bristle; brush part 2¾ inches diameter, 6 inches long; handle 9 inches. See cut milk bottle brush No. 72. Price, 50c.

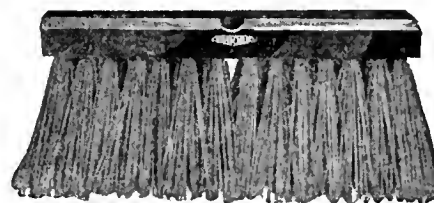
No. 73. Black china bristle; brush part 3¼ inches diameter, 6 inches long, hickory handle, ½ inch diameter, 9 inches long. See cut milk bottle brush No. 73. Price, 50c.

### CAN



No. 08. Stiff palmetto fibre; length on face, 10 inches; width on face, 5 inches. Price, 45c.

### STABLE BROOMS



Fibre, No. 486. 14x3 inches. Length of fibre, 6 inches. 4 rows, 12 to row. Price, \$1.00. Weight, 3 lbs.; add postage.

Fibre, No. 500. 16x3½ inches. Length of fibre, 6 inches. 4 rows, 14 to row. Price, \$1.25. Weight, 4 lbs.; add postage.

Steel, No. 121. 14x2½ inches. Length of steel, 5 inches. 4 rows, 16 to row. Price, \$1.00. Weight, 4 lbs.; add postage.

Steel, No. 122. 16x2½ inches. Length of steel, 5 in. 4 rows, 18 to row. Price, \$1.25. Weight, 4 lbs.; add postage.

Handles not included in foregoing quotations.

Price of handle, 20c. Weight, 1 lb.; add postage.

BOTTLE CAPS

Bottle Caps. Stock print same as shown in cut. No lift. Packed in tubes of 500. 35c. Thousand weight 2½ lbs.; add postage.

CAPS WITH LIFT

Stock Print. Milk, cream, whipping cream, buttermilk and plain. No printing on plain. Packed in tubes of 500. 35c. Weight per M, 3 lbs.; add postage.

Ask for price on 50M with your imprint.



BOTTLE CARRIERS

All joints are electrically welded. The handle is also of steel, being of half round material so it will not pinch the hand. Finish is a heavy tin plating. 6-quart, wt. 3 lbs., \$1.00 each; 8-quart, wt. 3¾ lbs., \$1.20 each; add postage.

BOTTLES, MILK

There are various grades of milk bottles on the market, and, unfortunately, there are still some people who consider a milk bottle a milk bottle. It is economy to use only the best. Half Pints, doz. 75c; ½ gross, \$3.25; gross, \$6.00. Pints, doz. 90c; ½ gross, \$4.00; gross, \$7.50. Quarts, doz. \$1.15; ½ gross, \$5.25; gross, \$10.00.

BUTTER COLORING

Wells and Richardson. 6 1-gallon cans, \$18.00; gallon cans, \$3.25. Add postage.

BUTTER WRAPPER, PARCHMENT

Amount	Plain	Ptd.	Weight
100 plain, weight ¾ lb.			\$0.25
500 plain, weight 3½ lbs.			1.15
1000 plain, weight 7 lbs.			2.00

DELIVERY CASES

Steel  
This bottle crate is constructed of the best grade basic steel wire and is electrically welded at every intersection of wires.

Size	Capacity	Price	Weight
Quart	12	\$2.00	10 lbs.
Plnts	20	2.00	12 lbs.
½ Pints	20	2.00	14 lbs.

Add postage.

Size	Capacity	Price	Weight
Pints	20	\$1.50	12 lbs.
½ Pints	16	1.50	12 lbs.

Add postage.

ACID DIPPERS

17.5 C. C., each.....40c      8.8 C. C., each.....50c

ACID MEASURE

17.5 C. C., each.....30c

PIPETTES, PLAIN

17.6 C. C., Milk.....50c      9 C. C., Cream.....50c

TEST BOTTLES

Cream, 6-inch, 9-gram, graduated to 50%.  
Cream, 9-inch, 9-gram, graduated to 50%.  
Skim Milk .....50c  
The above three test bottles, each, 50c.  
We do not guarantee safe delivery of glassware.

ANTI COW KICKER

So-Boss Cow Hobble and Tail Holder fits snugly over the tendons of cow's hind legs. Chain 22 inches long, has ring attached to free end. Price, 40c. Wt. 2 lbs.; add postage.

COW POKES

The fence guards or forks are very strong and long enough to properly engage in any kind of fence, including poles or bars. The width is 6½ inches, length 33 inches. Price, 55c. Weight, 3 lbs.; add postage.

APRONS, CREAMERY

No. C-4. Creamery with patch, 8-oz. duck, suspender straps, 46-in. length. Each, \$2.25. Weight, 2 lbs.; add postage.

APRONS, TEAMSTERS'

No. T-2. Reinforced front, top pocket, split legs, with two straps, snaps and rings, suspender straps riveted. Each, \$1.90. Weight, 1 lb.; add postage.

BARN OR WALK SCRAPER

This scraper can be used for cleaning barn floors, alleys and gutters, also for removing snow from sidewalks. Heavy steel blade, 6½ inches high, 13 inches wide. Handle, 58 inches long. Length over all, 64 inches. A push or pull cleaner. Price, \$1.25. Length over all, 64 inches. A push or pull cleaner. Price, \$1.00.



BARN AND WALK CLEANER

Curved blade made of high carbon shovel steel; 4 ft. wood handle. Length over all, 64 inches. Width, 13 in. Price, \$1.00. Mailing wt., 7 lbs.; add postage.

BULL STAFF

Constructed of 11/16-inch extra heavy steel pipe with malleable lock hook. Length, 4 feet 9 inches. Weight, 8 lbs. Price, \$4.50; add postage.

CALF WEANER

A perfect, humane and effective device. The hinge construction of this article allows the calf and cow to graze in the same pasture, yet effectually prevents sucking. Calf size, 40c; postpaid, 50c. Cow size, 50c; postpaid, 60c.

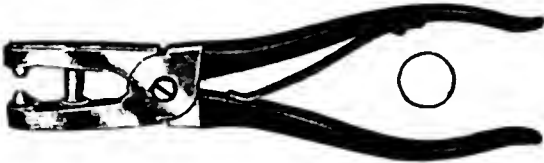
COTTON DISCS

J. and J. Rapid Flo Filter Discs

		Plain	Single Gauze
6 in.	100	\$0.30	\$0.50
6 in.	300	.85	1.45
6½ in.	100	.35	.60
6½ in.	300	1.00	1.75

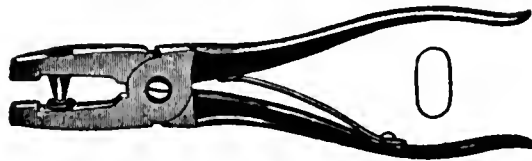
Mailing wt., 100, 1 lb.; mailing wt., 300, 3 lbs.; add postage.

EAR BUTTON PUNCH



This combined punch and pliers are especially made for adjusting the buttons. The cutter makes the necessary hole, and the nipples seal the button. Each, \$1.75; postpaid, \$1.85.

EAR LABEL PUNCH



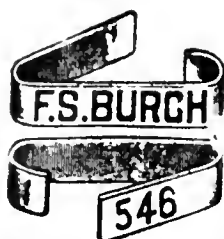
Do not forget to order punch when you order ear labels, as punch is necessary to cut hole in ear and also to seal labels. Price, \$1.75; postpaid, \$1.85.

EAR BUTTONS

Are made of pure hardened aluminum, consisting of two parts or sleeves, thus giving an absolute seal that will not become loose. Name and number can be put on without additional cost.

25, \$1.50; 50, \$2.00; 100, \$3.50; 500, \$15.25. Add 10c per 100 or less number for postage.





### EAR LABELS

Name can be put on the one side, numbers on the other. Not more than 10 large size letters can be put on hog or sheep sizes, or 15 on cattle. Mailing wt., 100 sheep size, 1 lb.; 100 cattle, 3 lbs. Add 5c per 100 or less number for postage.

	Sheep and Hogs	Cattle
25 name and number.....	\$1.00	\$1.10
50 name and number.....	1.50	1.75
100 name and number.....	2.00	2.50
500 name and number.....	8.50	11.00
25 name only or number only.....	.90	1.00
50 name only or number only.....	1.25	1.50
100 name only or number only.....	1.50	1.75
500 name only or number only.....	6.25	8.50

### FLEMING'S CHEMICAL HORNSTOP

Takes the place of dehorning. Apply just over the horn button, while the buttons are loose. Price, tube, 60c; postpaid, 65c.

### MILK STOOLS

Will not tip. Price, \$1.50. Weight, 4 lbs.; add postage.

### STANCHIONS

The frame of this stanchion is made of high carbon U-bar steel. The lock is so well protected on the suspension plate that it cannot be opened by the cow's horns or by any movement of the stanchion, yet can be easily opened by one hand.

No. 100. Wood-lined, \$3.00. Weight 20 lbs.; add postage.

No. 102. Same stanchion exactly as 100 but not wood-lined. Price, \$2.75. Weight, 19 lbs.; add postage.

### STIRRER AND SAMPLER

Duro Sampler has saucer-shaped disc of steel firmly attached to wrought iron handle of sufficient length to reach bottom of 10-gallon can.

Duro Stirrer is the same as Duro Sampler with the exception that there are five holes punched in bowl of stirrer to make stirring more effective.

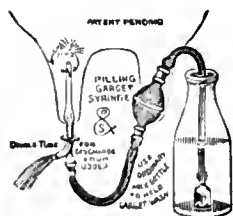
Sampler and Stirrer, 45c each. Weight, 2 lbs.; add postage.



### TAIL HOLDERS

These holders can be installed in any barn. They cannot injure the cow's tail. They are practical, convenient, inexpensive and efficient. Price, 25c; postpaid, 30c; ½ doz. \$1.35; postpaid, \$1.45; 1 doz. \$2.40; postpaid, \$2.50.

### CATTLE INSTRUMENTS



**GARGET SYRINGE.** Has a special make of rubber tubing, which allows the flow to be continuous instead of intermittent. It also has a double channel metal tube. One part of this tube is to inject the Garget Remedy into the udder and the other part allows the fluid, dead germs and other impure matters to escape from the udder.

Garget Syringe Outfit consists of Garget Syringe, Remedy (30 treatments), Animal Soap. Price, \$6.25; postpaid, \$6.35.

### MILK FEVER OUTFIT



Is made according to specifications described in Farmers' Bulletin 45, issued by the Bureau of Animal Industry, U. S. Department of Agriculture, except the rubber bulb. As it rots easily, this is replaced by a patented metal pump which will last a very long time.

Milk Fever Outfit, Metal Pump and Regulator Tube, \$3.25; postpaid, \$3.35.

### MILKING TUBES



Plain. 2 inches, 25c; 2½ inches, 25c; 3 inches, 30c.

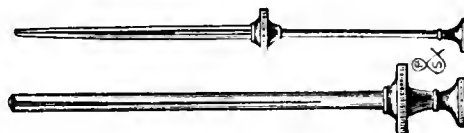


Self Retaining. 3 inches. 35c.



### PIG FORCEPS

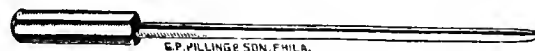
Each, \$4.00; postpaid, \$4.10



**TEAT DILATOR.** A finely made instrument, dilates without cutting. Nothing better made for this purpose. Price, \$1.65; postpaid, \$1.75.

**TEAT DILATORS.** Dr. Naylor's Medicated. Each, \$1.00; postpaid, \$1.10.

**TEAT EXPANDERS.** Of metal, nickel-plated, is intended to expand and enlarge the opening of hard-milking teats. Also at the same time, it expands the milk canal. It is considered the best method of treating hard milkers. Easy to use. Price, 75c; postpaid, 80c.



Teat Opener is simply used as a reamer or dilator to pass the obstruction. It does not cut. \$1.25; prepaid, \$1.35.



**TROCAR** will promptly and safely relieve bloat. Every owner of cattle should have one on hand. Easy to use. Price, \$2.25; postpaid, \$2.35.

## STOCK REMEDIES

### BAG BALM

A soothing, penetrating salve for all affections of the bag. Price, 60c. Weight, 1 lb.; add postage.

### KOW KARE

Is specially recommended for barrenness, scours, milk fever, also for abortion and the removal of retained afterbirth, etc. Per can, 65c and \$1.25. Mailing weight, 2 and 4 lbs.; add postage.

### POKE ROOT

Highly recommended for the treatment of garget. Price, 65c. Weight, 2 lbs.; add postage.



**B. K.** is a disinfectant but not a poison. Much stronger than coal tar disinfectants. Odorless and colorless. Largely used in dairies, creameries, hotel, restaurants, etc. 4-oz. bottle, 30c; 10-oz. bottle, 50c; 32-oz. bottle, 90c; 1 gal. \$2.00; 5 gals. \$8.50. Not mailable.

**B-K Powder.** Used for the same purposes as B-K liquid. Pkg., 9 1/3 oz. 75c; 1¼ lb. \$1.50; add postage.

### K. O. FLY SPRAY

Will not taint milk or discolor hair. Kills and repels flies. Quarts, 55c; gallon can, \$1.25.



ZENOLEUM

**Sheep Scab.** One part of Zenoleum to seventy parts of water heated to 100 to 110 degrees Fahrenheit. Hold the sheep in this bath for two minutes.

**Sheep Ticks.** To 12 gallons of water add 1 pint of Zenoleum. Dip the sheep soon after mixing, and keep them in the water a minute.

**Lice on Sheep.** Dip the sheep, making a solution of one part Zenoleum to 50 parts of water. Repeat in six to eight days.

**Fly and maggots.** Use equal parts Zenoleum and water, and in extreme cases, full strength Zenoleum. Pint, 50c; quart, 75c; ½ gallon, \$1.25; gallon, \$2.00. Freight or express extra.

WYANDOTTE

This is the great cleaner and cleanser used by nearly all dairy-men and creameries. It is conceded to be the best preparation of its kind manufactured. 5-lb. bag, 45c; 25-lb. bag, \$1.85; 80-lb. kegs, \$5.55; 280-lb. barrels, \$15.85. Add postage on the bags. Prices subject to change.

**DETERGENT.** Used for cleaning painted walls, marble, tile and cement. 5-lb. bag, 50c; add postage. 75-lb. kegs, \$6.80.

**WYANDOTTE STERILIZER.** 2 lbs. \$1.00.; add postage.

**DIVERSOL STERILIZER.** 2 lbs. \$1.00; add postage.

BEE SUPPLIES

DOVETAILED HIVES

To gather one pound of honey a bee has to visit fifty-six thousand clover heads. Yet he hums at his work. Do you?

The dovetailed hive is now the leading hive, as it contains many of the most desirable features of the various hives for the rapid handling of bees, and is one of the cheapest and best hives manufactured.

Complete 1½-story hive consists of 1 body, 1 super, 1 bottom board, 1 cover, 8 Hoffman brood frames, 2 wedges for super, 6 section holders, 6 slotted separators.

EIGHT-FRAME HIVE

	Nailed	5-K.D.	Wt. Nailed Lbs.	Wt. 5-K.D. Lbs.
1 Story .....	\$1.65	\$6.75	25	115
1½ Story .....	2.50	10.75	31	150

No division boards in hives. Add postage.

TEN-FRAME HIVE

	Nailed	5-K.D.	Wt. Nailed Lbs.	Wt. 5-K.D. Lbs.
1 Story .....	\$1.90	\$8.50	32	150
1½ Story .....	3.00	12.50	42	200

No division boards in hives. Add postage.

SUPER-TEN FRAME HIVE

	Nailed	5-K.D.	Wt. Nailed Lbs.	Wt. 5-K.D. Lbs.
Super Comb Honey.....	\$1.10	\$4.50	11	50
Super Extracting .....	1.10	4.50	11	50

No division boards in Super. Add postage on all bee supplies.

SUPER-EIGHT FRAME HIVE

	Nailed	5-K.D.	Wt. Nailed Lbs.	Wt. 5-K.D. Lbs.
Super Comb Honey.....	\$0.95	\$4.00	9	40
Super Extracting .....	.95	4.00	10	45

BEE HIVE EXTRAS

	Each	50	100
Section Holders, slotted.....	7c	\$2.75	\$5.25
Weight, 100, 35 lbs.; add postage.			
Slotted Separators .....	5c	1.75	3.00
Weight, 100, 8 lbs.; add postage.			
Super Followers .....	10c	3.00	5.50
Super Springs .....	3c	.75	1.25
Spring Steel Hive Tool, each 60c; postpaid. 70c.			

BEE BOOKS

**STARTING RIGHT WITH BEES.** Every person handling bees is anxious to be successful. Start right, follow the instructions in this book. Price, 60c each; postpaid, 65c.

BEE ESCAPES

**Porter.** No apiarist can afford to be without bee escapes. In taking off honey it is a labor saving device. It avoids shaking heavy spurs to get the bees out, allows the bee to pass and prevents their return. Double, 35c; add 5c for postage.

BEESWAX

2-oz. Cakes, 10c; 1 lb. size, 50c; add postage.

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The Hoffman Improved Foundation Fastening Frames are the latest and best brood frames. The top bar is made with a beveled strip which holds the foundation in place. Any particular frame can be removed without trouble. Price, each, 6c; 50, \$2.50; 100, \$4.50. Weight per 100, 55 lbs.; add postage.

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**Metal Spacers only.** Per 100, \$1.25.

BRUSHES

**Bristle.** This is a strong, durable brush, made of black bristles. Price, 50c; postpaid, 55c.

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Size of Sheet	No. to lb.	Per lb.
Medium Brood, 7⅞x16⅞.....	7	\$0.50
Thin Super, 3¼x15½.....	28	.60

Add postage.

DRONE AND QUEEN TRAP

A perfect non-swarmling arrangement. Weight, 1 lb. Each, 8 frame, 75c; 10 frame, 85c; add postage.

ENTRANCE GUARDS

These are to admit workers, and to exclude drones. After the drones are all out, fix guards over the entrance and at night the drones can be destroyed. For 8 and 10 frame hives. 35c; by mail, 40c.

FOUNDATION FASTENERS



The Parker Fastener is a cheap machine for fastening starters. With a little practice it can be made to work very satisfactorily. Price, 40c; postpaid, 50c.

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Gloves for protection of the hands and wrists are almost indispensable. Canvas with sleeves, medium and large. Price, \$1.00; postpaid, \$1.10.

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**Sections.** Are made of the choicest white basswood lumber, and all are perfect in finish and free from defects. They are not all snow-white, but vary from that to light cream colors. Price, per 25, 50c; 50, 85c; 100, \$1.50; 500, \$7.50; 1000, \$14.00. Weight 100, 6 lbs.; add postage.

HONEY KNIFE

Price, \$1.50; postpaid, \$1.60.

Do not overlook adding postage to nursery stock orders.

## QUEEN CAGES

The cover, to insure prompt delivery, is printed in exact facsimile of cut. On the reverse side are printed directions for introducing queens. 15c each.

## QUEEN EXCLUDING ZINCS

This is used between the upper and lower stories, to prevent the queen going up above. It is also used in making entrance guards, queen and drone traps, etc.

For 8-frame hive, unbound, 13 $\frac{3}{4}$ x19 $\frac{3}{4}$ . Price, 50c.  
For 8-frame hive, wooden bound, 13 $\frac{3}{4}$ x20. Price, 60c.  
For 10-frame hive, unbound, 16x19 $\frac{3}{4}$ . Price, 60c.  
For 10-frame hive, wooden bound, 16x20. Price, 70c.  
8-frame, 7-wire-and-wood, 13 $\frac{3}{4}$ x20. Price, 80c.  
10-frame, 7-wire-and-wood, 16 $\frac{1}{4}$ x20. Price, 90c.  
Add 10c each for postage.

## ROOT BEE SMOKERS ALWAYS SMOKE

The Root Smoker Bellows is bound by a projecting metal strip to give a hand-hold. The Root smokers have an anti-spark device that prevents sparks being blown out the draft tube to start possible fires, and also prevents smoke being sucked into the bellows, where smoke would destroy the leather.

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Jumbo, \$1.50; postpaid, \$1.60. Double capacity of the Standard.

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## WAX TUBE FASTENER

Van Deusen. For fastening the foundation sheets to thin top-bars. It is simply a brass tube half an inch in diameter, 6 inches long and tapering. This is filled with hot wax and the point is then slowly drawn along the edge of the foundation. 35c; by mail, 40c.

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No. 28 Tinned Wire seems to be the most suitable of any for wiring frame.  $\frac{1}{4}$ -lb. spools, 350 feet, 30c;  $\frac{1}{2}$ -lb. spools, 700 feet, 50c; 1-lb. spools, 1400 feet, 85c. Add postage.

## WIRE IMBEDDER



The teeth are wide and grooved in the direction of the circumference midway across front of teeth, so that the wheel will easily follow the wire. 35c; by mail, 40c.

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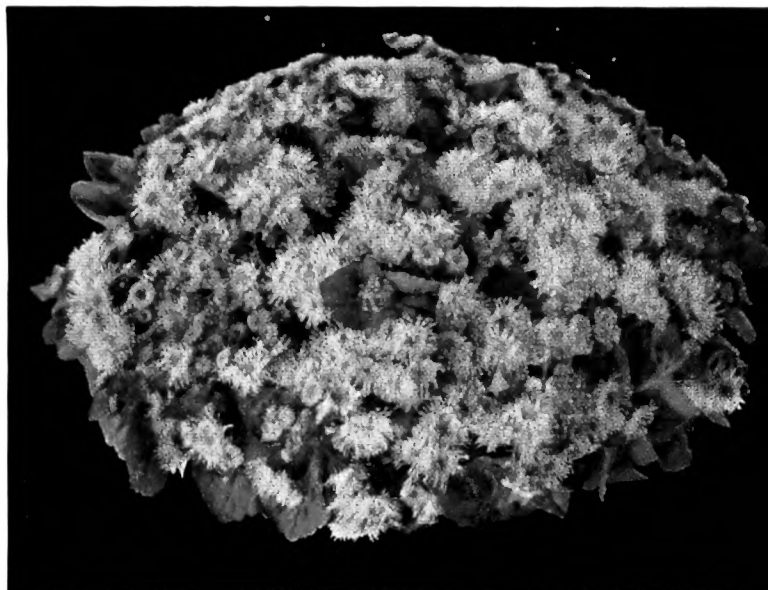
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Silver Medal, All-America Selections, 1939

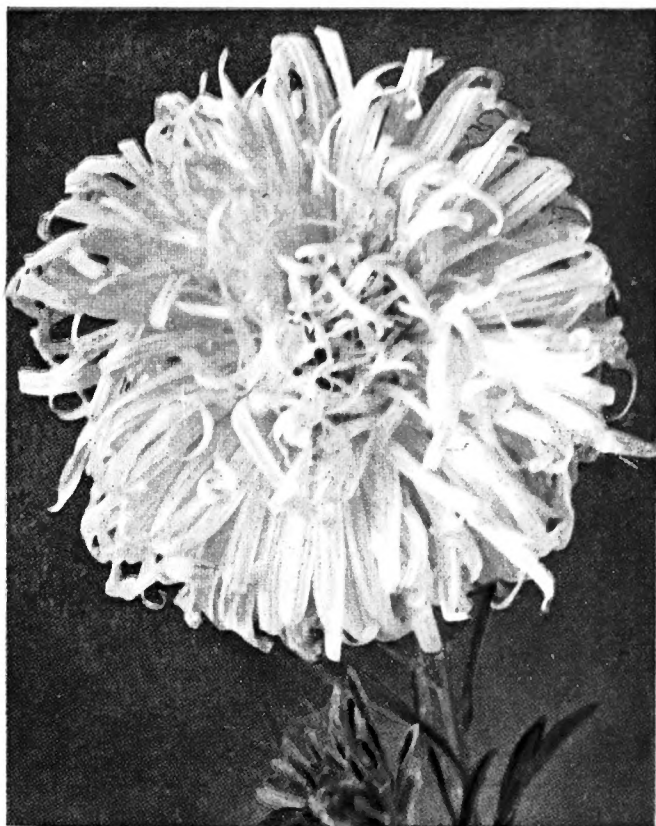
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